



Self-Assessment Report 2023

Submitted to

National Board of Accreditation

(NBA), New Delhi

**For Diploma in Pharmacy Program
(D.Pharmacy)**



Submitted by

**MEHR CHAND POLYTECHNIC COLLEGE
PHARMACY DEPARTMENT**

(A Govt. Aided Institution)

Mahatma Hans Raj Marg

Jalandhar City, Punjab, 144008

(Managed by DAV College Managing Committee, New Delhi)

www.mcpolyjal.com

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Mahatma Hans Raj Marg

Jalandhar City, Punjab, 144008

Approved by AICTE & PCI

**Affiliated to Punjab State Board of Technical
Education and Industrial Training, Chandigarh.**

www.mcpolyjal.com | 98786-15600 | 89686-88044

ABOUT THE INSTITUTE

Mehr Chand Polytechnic College, Jalandhar, recognized as one of the centers of excellence in technical education in the state of Punjab is one of the oldest and pioneering polytechnic college of North India. It was established in the year 1954 by the stalwarts of D.A.V. movement in the sacred memory of Lala Mehr Chand Ji, an embodiment of self-sacrifice, honesty and commitment. The first technical institution of India situated in the heart of the city under the patronage of DAV College Management Committee, New Delhi, was aimed at changing the face of the old established industrial traditions by creating an effective technical manpower for the society and developing industry. Under the dynamic leadership of an eminent educationist Dr. Punam Suri, Padma Shree Awardee, President DAV College Managing Committee, New Delhi, the Institute is scaling new heights and is committed to pursuing excellence along with creativity and integrity. Mehr Chand Polytechnic College received **“Outstanding Polytechnic Institution Award- 2023”** out of nine states in the Northern region. It was also awarded **“Best Institute of North India”** in 2011, 2013 and 2020 by NITTR Chandigarh. It has also been granted status of ‘Community College’ by Ministry of Human Resource Development, Govt. of India. The Institution was selected for Industrial Capacity Building by British Council under UKIERI (United Kingdom India Education and Research Initiative) with Hackney Community College, London, as its training partner. Our College is member of Unnat Bharat Abhiyan Scheme of MHRD, Govt. of India and it was awarded special appreciation prize for its remarkable activities during the year 2020. We have devoted and dedicated staff of experienced, qualified and committed teachers, who spare no pains to help their students through affectionate approach, achieve excellence in academics, practical training, research oriented projects, extracurricular and co-curricular activities. With good infrastructure, lush green lawns, congenial environment, state of-the-art laboratories, huge library, smart classrooms, online teaching mechanism, canteen, book store, hostel, auditorium and other modern facilities like CNC Lab., the Institute has emerged as the top ranking Polytechnic of Northern India and its path breaking approach is being emulated by other institutions in India and abroad. Our students have made us proud by bagging 157 State Academic Positions in 2018-19 and along with highest number of Gold Medals in State Tech Fest (Overall Winner of State Tech Fest Trophy 2019) and have proved their deep rooted

strength and mettle by securing highest ever placements in leading multinational and national companies on handsome pay packages. The brilliant academic record, excellence performance in extracurricular and co-curricular activities, hundred percent placement and its pride status of First Choice Institute for its students, make it different from other mushrooming Institutes. Principal has also initiated Manthan activity comprising his personal talk with the students in small groups, in order to encourage and motivate them and to formulate a personal bondage with them to discuss and solve their genuine problems. In short, our Polytechnic imbibes both modern and innovative methods with traditional and Vedic values and strives hard to impart technical education and develop the technically rich human resource in accordance with DAV philosophy, ideals and heritage.

It is a great work to educate a child... than to rule a State.

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Part – A : Institutional Information

- 1. Name and Address of the Institute:** Mehr Chand Polytechnic College, Jalandhar.
- 2. Name and Address the Affiliating/ University/ Board:** Punjab State Board of technical Education & Industrial Training, Chandigarh.
- 3. Year of Establishment of the Institution :** 1954

4. Type of the Institution :

- | | |
|---------------------------|-------------------------------------|
| University | <input type="checkbox"/> |
| Deemed University | <input type="checkbox"/> |
| Autonomous | <input type="checkbox"/> |
| Affiliated | <input checked="" type="checkbox"/> |
| Any Other (Place Specify) | <input type="checkbox"/> |

5. Ownership Status :

- | | |
|----------------------------|-------------------------------------|
| Central Government | <input type="checkbox"/> |
| State Government | <input type="checkbox"/> |
| Grant-in-Aid | <input checked="" type="checkbox"/> |
| Self financing | <input type="checkbox"/> |
| Trust | <input type="checkbox"/> |
| Society | <input type="checkbox"/> |
| Section 25 Company | <input type="checkbox"/> |
| Any Other (Please Specify) | <input type="checkbox"/> |
| Provide Details: | |



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

Name of the Institution (s)	Year of Establishment	Programs of Study	Location
DAV University Jalandhar	2013	Engg. & Technology Sciences, arts, Agricultural Sciences Business Studies Journalism & mass Communication, Law & Legal Studies etc.	DAV University National Highway, Pathankot Jalandhar 144001.
DAV Institute of Engineering & Technology	2001	All Engg. Sciences, MCA, MCA Hospitality , Tourism	Kabir Nagar Jalandhar 144008 (Pb)
DAV College Jalandhar	1918	Graduate & Post Graduate Courses in Arts, humanities, Social Sciences Commerce, Management & Business administration	Mahatma Hans Raj Marg Dayanand Nagar , Jalandhar 144008
HMV College Jalandhar	1927	-do-	-do-

+ 900 Institution world-wide.

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

S.No	Program Name	Year of Inception	Intake	Increase In Intake, if any	Year Of Increase	AICTE Approval	Year of Obtaining PCI Approval	Accreditation Status *
1	Civil Engg.	1957	30	60	2005	Yes		First NBA Accreditation for 3 yrs w.e.f 2006 to 2009
2	Electrical	1957	30	60	1997	Yes		-do-
3	Mechanical	1958	40	60(+20)	2003	Yes		-do-
4	ECE	1982	30	60	2011	Yes		-do-
5	Pharmacy	1987	40	60	2004	Yes	2021-22	
6	Comp	2001	30	60	2002	Yes		
7	Automobile	2010	60	-	-	Yes		

❖ Write applicable one:

- Applying First Time ✓
- Granted Provisional Accreditation For Two Years For The Period (Specify Period)
- Granted Accreditation For 5/6 Years For The Period(Specify Period)
- Not accredited (specify visit dates, year)
- Withdrawn (specify visit dates, year)
- Not eligible for accreditation
- Eligible but not applied

Note: Add rows as needed.

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Department of Pharmacy
Mehr Chand Polytechnic College, Jalandhar (Punjab)
(A GOVERNMENT AIDED INSTITUTE)



8. Name of the program to be considered for Accreditation vide this application:
Pharmacy

9. Total number of employees

A. Regular* Faculty and staff:

Items		2022-23		2021-22		2020-21	
		Min	Max	Min	Max	Min	Max
Faculty in Pharmacy	M	3	3	3	3	3	3
	F	1	1	1	1	1	1
Non- teaching Staff	M	1	1	1	1	1	1
	F	1	1	1	1	1	1

B. Contractual Staff (Not covered in Table A)

Items		2022-23		2021-22		2020-21	
		Min	Max	Min	Max	Min	Max
Faculty in Pharmacy	M	1	1	1	1	1	1
	F	1	1	1	1	1	1
Non- teaching Staff	M	1	1	1	1	1	1
	F	-	-	-	-	-	-

*Means-

- Full time on roll with prescribed pay scale. An employee on contract for a period of more than two years and drawing consolidated salary equal or more than applicable gross salary shall only be counted as a regular employee.
- Prescribed pay scales mean pay scales notified by the AICTE/ Central Govt. and implementation as prescribed by the State Govt. In case state Govt. Prescribes lesser consolidated salary for a particular cadre then same will be considered as reference while counting faculty as a regular faculty.

CAY- Current Academic Year 2022-23

CAYm1- Current Academic Year minus1= Current Assessment Year 2021-22

CAYm2- Current Academic Year minus2 = current Assessment Year minus 1 2020-21



10. Total number of Pharmacy students in the institute:

Students Numbers	2022-23	2021-22	2020-21
Total no. of boys	88	99	95
Total no. of Girls	32	19	24
Total no. of Students	120	118	119

Instruction: the data may be categorized in tabular form in case institute runs UG, PG and doctorol Programs, please prepare separate table for each level, if applicable)

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

- i. Name: Dr. Jagroop Singh
Designation: Principal
Mobile No: 98786-15600
Email ID: Jagroop_kiwi@yahoo.com

- ii. Name: Dr. Rajeev Bhatia
Designation: H.O.D Civil Engineering Department
Mobile No: 98158-40958
Email ID: rajeev.mcpjal@gmail.com



PART B: CRITERION SUMMARY

Criterion No.	Criterion	Total Marks	Institute Marks	Percentage
1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	50	50	100%
2	PROGRAM CURRICULUM AND TEACHING –LEARNING PROCESSES	50	50	100%
3	COURSE OUTCOMES (COS) AND PROGRAM OUTCOMES (POS)	60	58	96.6%
4	STUDENT’S PERFORMANCE	75	66	88%
5	FACULTY INFORMATION AND CONTRIBUTIONS	75	73	97.3%
6	FACILITIES AND TECHNICAL SUPPORT	100	97	97%
7	CONTINUOUS IMPROVEMENT	30	26	86.7%
8	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	60	60	100%
Total		500	480	96.0%



CRITERION 1	Vision, Mission and Program Educational Objectives	50
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1.1 State the Vision and Mission (5)**Institute Marks = 5****Vision of Pharmacy Department:**

To create best Pharmacy professionals for imparting high quality patient care, improving the health and well-being of the community locally, nationally and globally.

Mission of Pharmacy Department:

To provide best Pharmacy education and training to the students for a better career and to be good citizens of a national and international society.

M1. To excel in pharmacy education and impart quality education.

M2. To produce pharmacists capable of improving public health and welfare.

M3. To promote teaching and learning process that meets the global standards of pharmacy education.

1.2 State the Program Educational Objectives (PEOs) (5)**Institute marks = 5**

(State the Program Educational Objectives (3 to 5) of the program seeking accreditation)

Table No. 1.1 Program Educational Objectives

<u>S. No.</u>	<u>Program Educational Objectives</u>
PEO 1	Students will possess in-depth knowledge of fundamental concepts and high technical competence in pharmaceutical sciences and technology.
PEO 2	Students will acquire the ability to identify and assess the problems in pharmaceutical industries and execute the solution.
PEO 3	Students will learn professional and ethical attitude, effective communication skills and attitude to work in a team with multidisciplinary approach.
PEO 4	Students will possess ability to relate the concepts of pharmaceutical sciences towards serving the social causes.
PEO 5	Students will learn to adapt efficiently to the fast changing global needs with innovative ideas.



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

- Displayed on college website
- Disseminated in college magazine, prospectus, brochure, library and during guest lectures and seminars.
- These are also prominently displayed on the departmental notice board, corridors, laboratories and class rooms.

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

Internal Stakeholders

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

External Stakeholders

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

Published Material

- ❖ Practical Records
- ❖ Placement Brochure
- ❖ Prospectus

Online Material

- ❖ Website
- ❖ Notice boards
- ❖ All Applications

Infrastructure

- ❖ HOD Room
- ❖ Staff Room
- ❖ Girls Common Room
- ❖ Boys Common Room
- ❖ Computer Lab
- ❖ Class Room
- ❖ Corridors
- ❖ Labs
- ❖ Smart Class Room
- ❖ Museum





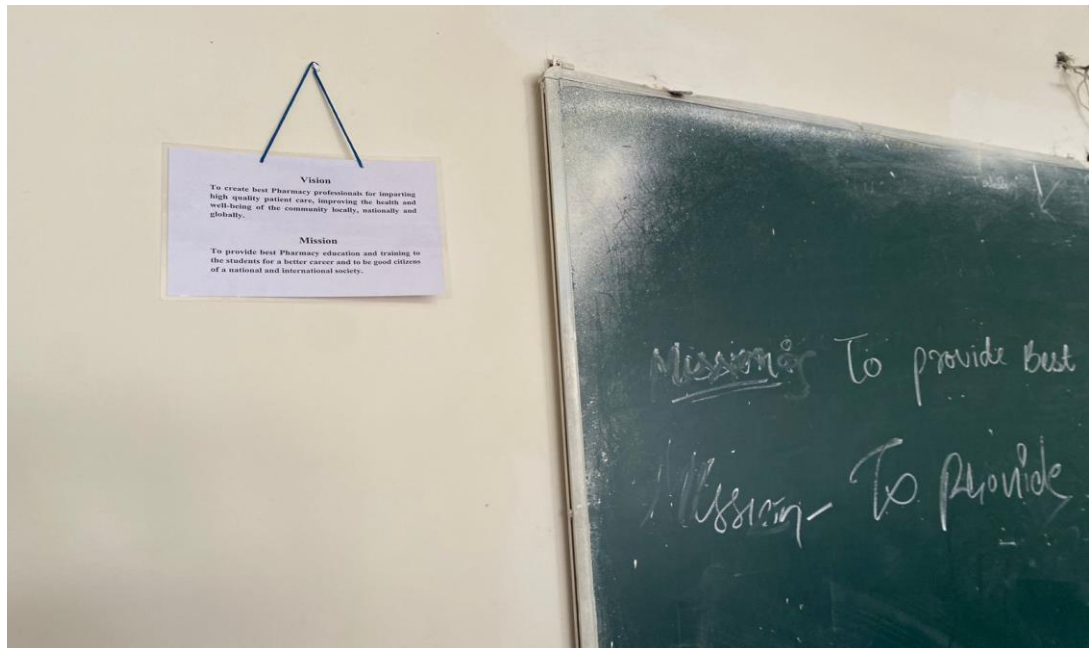
HOD OFFICE (PH-001)



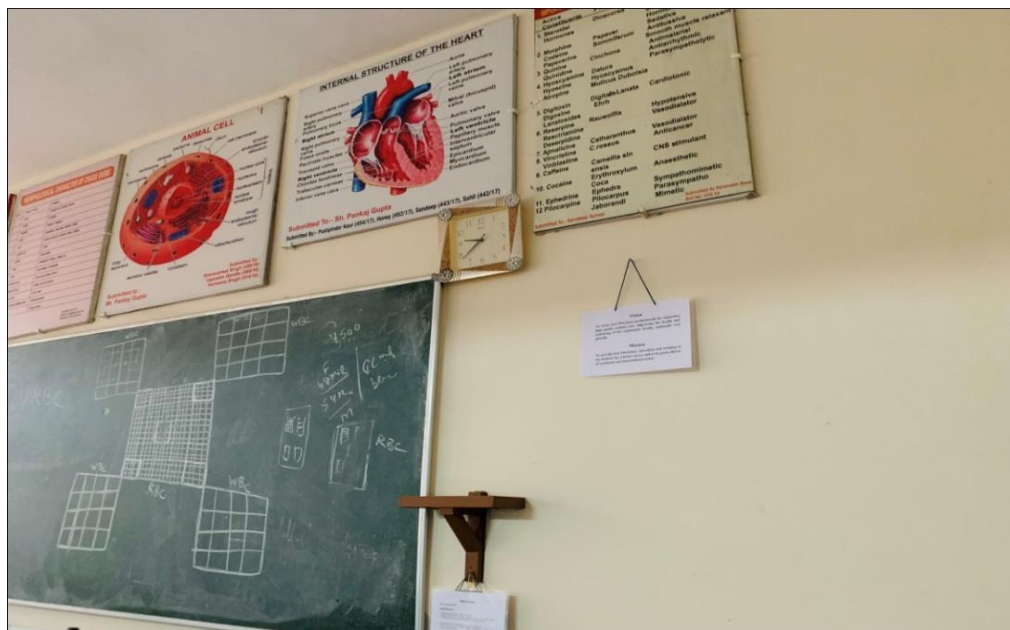
STAFF ROOM (PH-002)



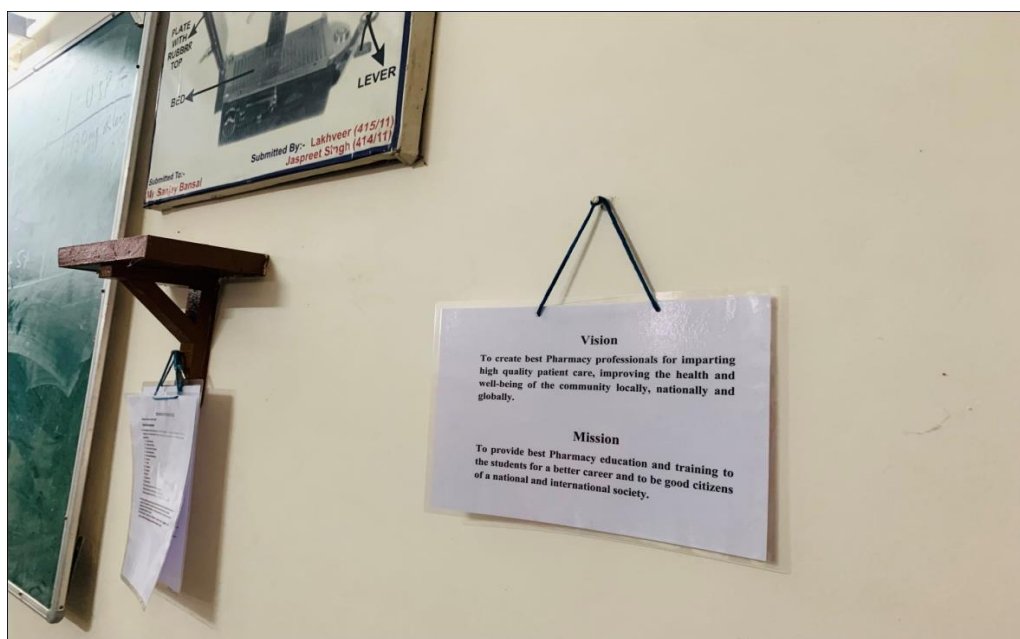
CORRIDOR



CLASS ROOM (PH-201)



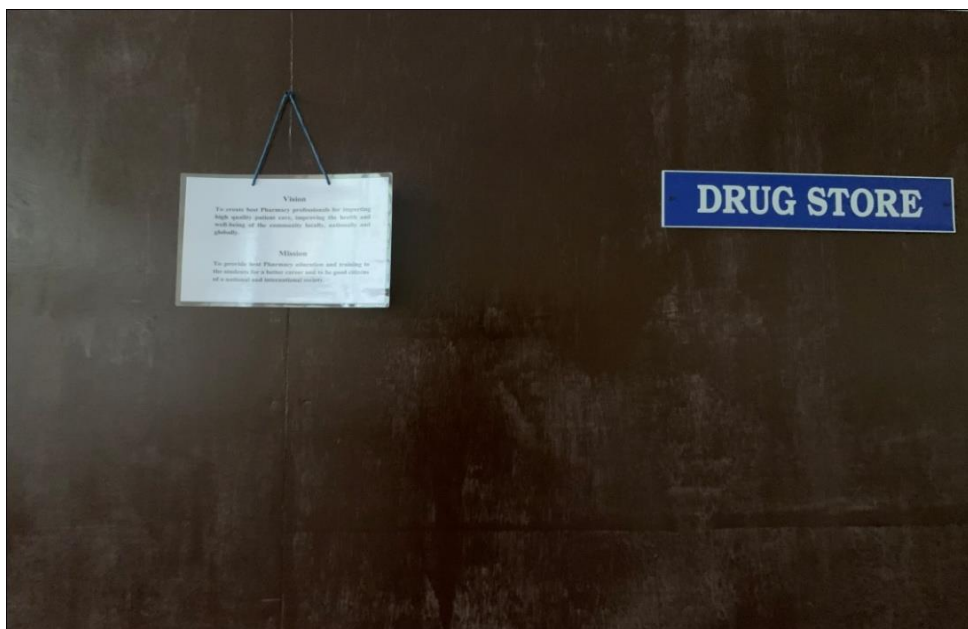
PHARMACOLOGY LAB (PH-104)



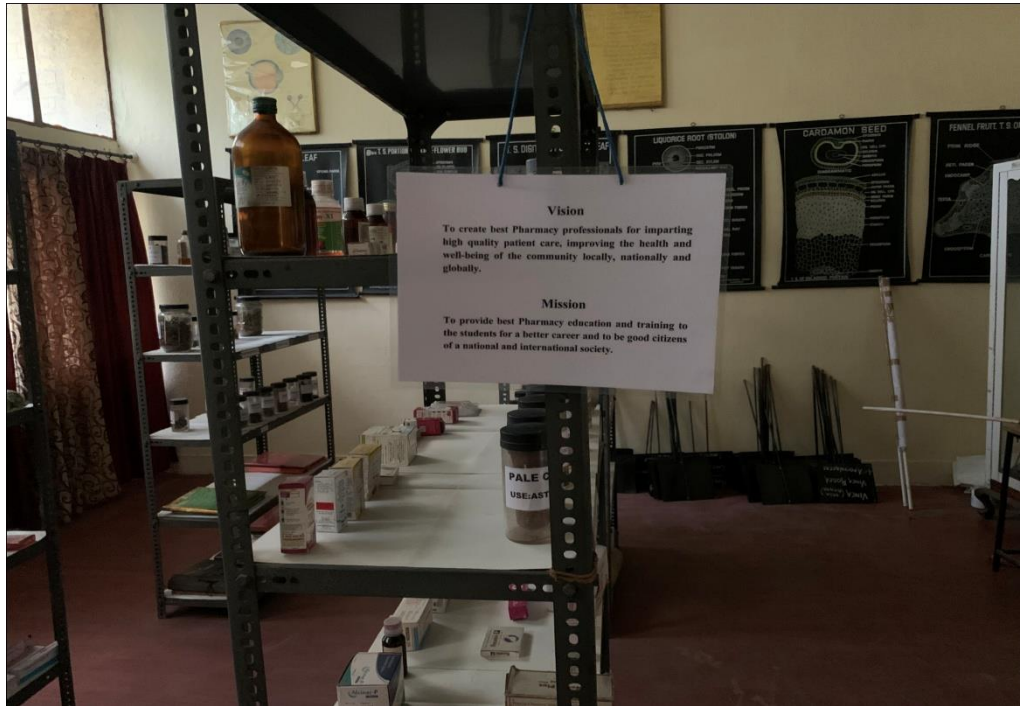
PHARMACEUTICS LAB (PH-003)



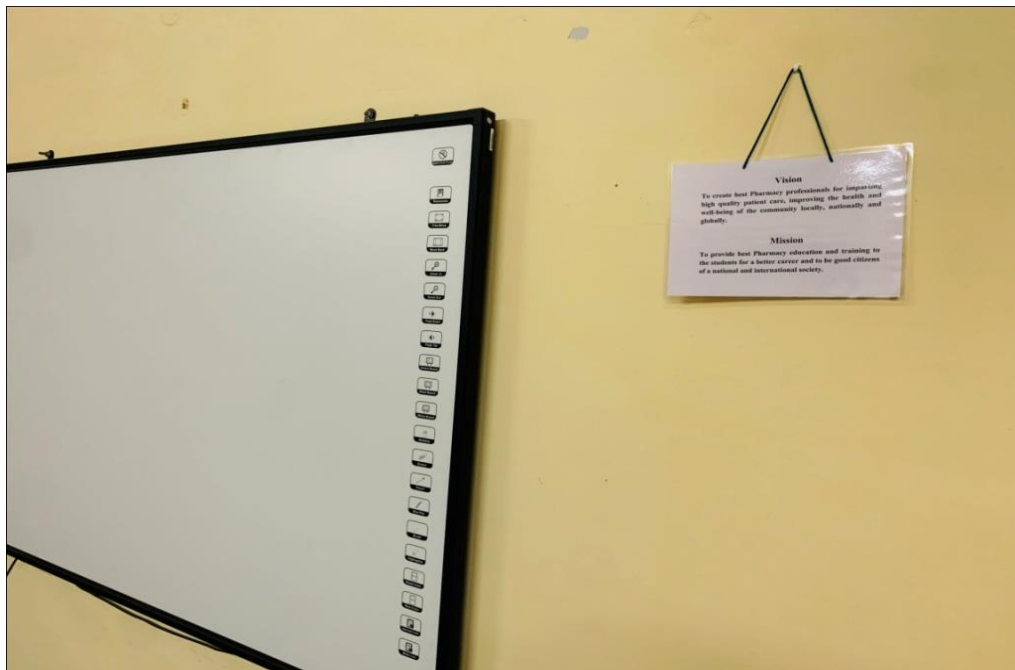
SOCIAL PHARMACY LAB (PH-102)



MODEL PHARMACY (PH-204)



MUSEUM (PH-203)



SMART CLASSROOM (PH-202)

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

(Articulate the process for defining the Vision, Mission and PEOs of the program)

Institute Marks = 10

Vision and mission of the college were defined by the local Governing body of the institution with a vision to educate masses. These were then reviewed regularly with the changing scenario. These were circulated to the Alumni, Faculty, Students and Parents.

1. Alumni inputs are obtained through extensive alumni surveys with follow-up by the Principal and associated faculty.
2. Student input to Program Educational Objectives is obtained in a number of traditional ways, including evaluation of regular examination, viva voce during practical and presentations at seminars, guest and extension lectures, course and program surveys.
3. After taking into consideration the feedback received, the Program Advisory Committee prepares draft of vision and mission statements which are discussed in a meeting consisting of entire faculty. The statements are then finalized.



Flow chart of defining Mission / Vision / PEO

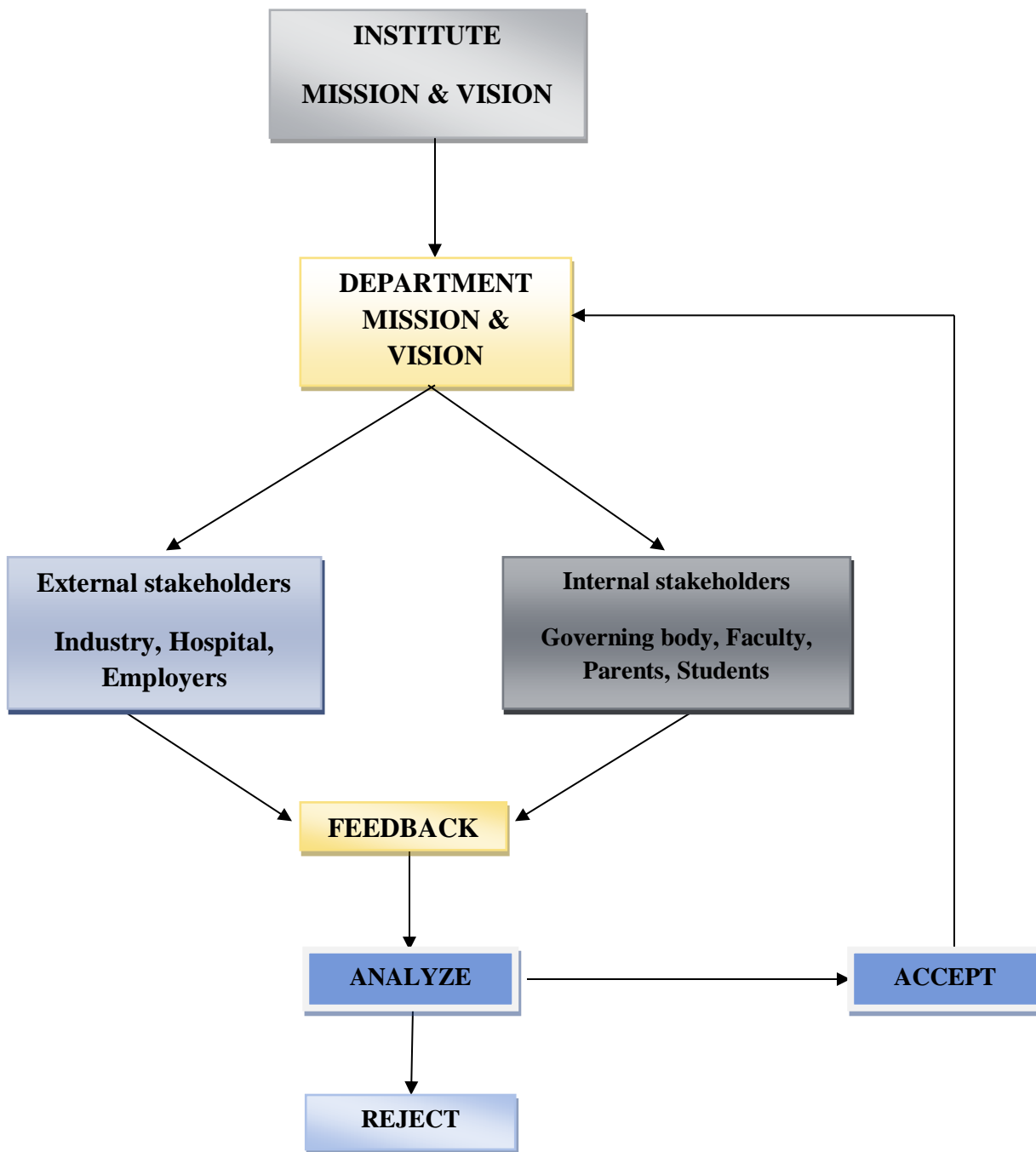


Fig. 1.1 (Flow chart of defining Mission / Vision / PEO)



1.5 Establish consistency of PEOs with Mission of the Pharmacy Department (15)

Institute Marks = 15

Table No. 1.2 Consistency of PEOs with Mission

PROGRAM EDUCATION OBJECTIVES (PEOs)	MISSION		
	To excel in pharmacy education and impart quality education (M1)	To produce pharmacists capable of improving public health and welfare (M2)	To promote teaching and learning process that meets the global standards of pharmacy education (M3)
PEO 1: Student will possess in-depth knowledge of fundamental concepts and high technical competence in pharmaceutical sciences and technology.	3	3	3
PEO 2: Students will acquire the ability to identify and assess the problems in pharmaceutical industries and execute the solution.	3	3	3
PEO 3: Students will learn professional and ethical attitude, effective communication skills and attitude to work in a team with multidisciplinary approach.	3	3	3
PEO 4: Students will possess ability to relate the concepts of pharmaceutical sciences towards serving the social causes.	3	3	3
PEO 5: Students will learn to adapt efficiently to the fast changing global needs with innovative ideas.	3	3	3

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put “-”

Note: In this document wherever the term ‘Process’ has been used its meaning is process formulation, notification and implementation.

Table No. 1.3 Justification of Mapping of PEO and Mission Statements

PEO Statement	Justification and Rationale
PEO1:	Pharmacy students have strong theoretical and practical knowledge of pharmaceutical sciences and technology, So M1, M2 and M3 are mapped high.
PEO2:	Pharmacy students will accomplish good knowledge along with practical efficiency to assess and solve the problem related with drug formulations, So M1, M2 and M3 are mapped high.
PEO3:	With the knowledge of pharmaceutical sciences, the student shall learn to keep high standards of professional and ethical attitude which imparts then leadership skills, So M1, M2 and M3 are mapped high.
PEO4:	Students will have strong knowledge of pharmaceutical Sciences as per the requirement of public health sector; So M1, M2 and M3 are mapped high.
PEO5:	Knowledge of pharmaceutical sciences and acquired skills will help students to keep pace with advances in technology; So M1, M2 and M3 are mapped high.



Self-Assessment for Criterion 01			
S.No.	Assessment Parameters	Marks	
		Prescribed	Institute
1	Vision, Mission and program Educational Objectives	50	50
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	10
1.5	Establish consistency of PEOs with Mission of the Institute	15	15
Total Marks		50	50
Percentage		100 %	



CRITERION 2	Program Curriculum and Teaching –Learning Processes	50
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2.1 Delivery of Syllabus Contents and compliance of the curriculum (5)

Institute Marks = 5

The contents of the syllabus as per PCI, Education regulations, 2020 are given as follows. 100% delivery of syllabus contents is ensured and the curriculum is followed as prescribed.

**Table No. 2.1 PROGRAM CURRICULUM
Syllabus w.e.f- July 2021**

S.No	Course Code	Course Name	Course Content	Compliance with POs
1	ER 20-11T	Pharmaceutics– Theory	Fundamental knowledge of various dosage forms, viz. tablets, capsules, liquid oral preparations, topical preparations, powder, granules, sterile formulations, immunological products, Definition and concept of quality control and quality assurance, current good manufacturing practice (cGMP), Introduction and challenges of Novel drug delivery system.	PO1, PO2, PO4, PO5, PO9
2	ER 20-12T	Pharmaceutical Chemistry– Theory	Scope and objectives of Pharmaceutical chemistry, Sources and types of errors, Impurities in Pharmaceuticals; Volumetric and Gravimetric analysis, Inorganic Pharmaceuticals, gastrointestinal agents, Hematinics, Dental products, Medicinal gases. Classification, chemical name, structure, uses, stability and storage conditions, of the different categories of medicinal compounds viz. Drugs Acting on Central Nervous System, Autonomic Nervous System and Cardiovascular System etc.	PO1, PO2, PO4, PO7, PO9



3	ER 20-13T	Pharmacognosy– Theory	Scope of Pharmacognosy. Source, chemical constituents and therapeutic efficacy of crude drugs and their application in common diseases and ailments. Pharmacognosy in relation to traditional system of medicines. Role of medicinal and aromatic plants in national economy. Application of herbs in health , food and cosmetics.	PO1, PO4, PO7, PO9
4	ER20-14T	Human Anatomy & Physiology— Theory	Study of various physiological systems i.e. Cardiovascular, lymphatic and haemopoietic system. Respiratory system, digestive system, nervous system, sense organs, urinary system, reproductive system. Study of basic terminology, structure of cell, and its organelles. Brief outlines of communicable diseases, mode of transmission, treatment and prevention. Study of structure of skeletal and smooth muscles.	PO1, PO2, PO4, PO5, PO9
5	ER 20-15T	Social Pharmacy– Theory	Definition of Social Pharmacy as a discipline and its scope in improving the public health. Role of Pharmacists in Public Health, Concept of Health – WHO, Public and Private Health System in India, National Health Mission, Role of Pharmacists in Demography and Family Planning , Mother and child health, Overview of Vaccines, types of immunity and immunization, Environment effect on Health, Psychosocial Pharmacy, Introduction to Microbiology and common	PO1, PO2, PO4, PO7, PO8, PO9



			microorganisms, Role of Pharmacists in educating the public in prevention of the following communicable diseases: chickenpox, measles etc. Introduction to health systems and all ongoing National Health programs in India and Pharmacoeconomics.	
6	ER 20-11P	Pharmaceutics– Practical	Preparation and evaluation of various solid, liquid and semi-solid dosage forms, cosmetic preparations etc.	PO1, PO2, PO4, PO5, PO7, PO9
7	ER 20-12P	Pharmaceutical Chemistry– Practical	Limit test for Chlorides, sulphate, Iron, heavy metals, Identification tests for Anions and Cations as per Indian Pharmacopoeia, Fundamentals of Volumetric analysis, Preparation of standard solution and standardization of Sodium Hydroxide, Potassium Permanganate, different assay of the compounds viz Ferrous sulphate, Calcium gluconate, Sodium chloride etc. Determination of Melting point and boiling point of organic compounds, Preparation of organic compounds like Benzoic acid, Picric acid, Identification and test for purity of pharmaceuticals Aspirin, Paracetamol, Caffeine etc.	PO1, PO2, PO4, PO7, PO9
8	ER 20-13P	Pharmacognosy– Practical	Identification of crude drugs based on their morphological characters, physical and chemical tests. Application of various crude drugs in common diseases. Anatomical characteristics of herbal drugs.	PO1, PO4



9	ER 20-14P	Human Anatomy & Physiology Practical	Microscopic study of cells and tissues. Study of various physiological systems. Estimation of blood cells, pulse rate and blood pressure. Understanding the significance of ECG. Determination of blood group, ESR, Hb, Bleeding /clotting time, B.P., Pulse oxygen, study of various physiological systems with the help of charts and models.	PO1, PO2, PO4, PO9
10	ER 20-15P	Social Pharmacy– Practical	National immunization schedule for children, adult vaccine schedule, reproductive and child health, Family planning devices, Microscopic observation of different microbes, Personal hygiene and etiquettes, Various types of masks, Menstrual hygiene, First Aid – Theory, basics, demonstration, , hands on training, audio-visuals, and practice, BSL (Basic Life Support) Systems SCA - Sudden Cardiac Arrest, FBAO - Foreign Body Airway Obstruction etc. Emergency treatment for all medical emergency cases viz. snake bite, dog bite etc., Role of Pharmacist in Disaster Management, Health Communication, Water purification techniques, Counseling children on junk foods, balanced diets, Preparation of various charts on nutrition, sources of various nutrients and counseling on Tobacco cessation.	PO1, PO4, PO7, PO8, PO9



11	ER 20-21T	Pharmacology– Theory	The main purpose of the subject is to understand what drugs do to the living organisms and how their effects can be applied to therapeutics. The subject covers the information about the drugs like, mechanism of action, physiological and biochemical effects (pharmacodynamics) as well as absorption, distribution, metabolism and excretion (pharmacokinetics) along with the adverse effects, clinical uses, interactions, doses, contraindications and routes of administration of different classes of drugs.	PO1, PO2, PO4, PO7, PO9
12	ER 20-22T	Community Pharmacy & Management— Theory	Definition, history of Community Pharmacy Practice, its International and Indian scenarios, Professional responsibilities of community pharmacists, Introduction to the concept of Good Pharmacy Practice and SOPs. Prescription and prescription handling, parts of prescriptions, legality of prescriptions, labeling of dispensed medications (Main label, ancillary label, pictograms), brief instructions on medication usage, Dispensing process, Good Dispensing Practices, dispensing errors and strategies to minimize them, Communication skills, Patient counseling, Medication Adherence, Health Screening Services in Community Pharmacy, Over The Counter (OTC) Medications, Community Pharmacy Management.	PO1, PO2, PO4, PO6, PO7, PO9



13	ER 20-23T	Biochemistry & Clinical Pathology– Theory	<p>Introduction to biochemistry, its scope in pharmacy; Cell and its biochemical organization.</p> <p>Carbohydrates, Proteins, amino acids. Lipids, triglycerides (oils and fats), Fatty acid, Nucleic acids, its structure definition classification with examples, Nucleic acids, components of nucleosides and nucleotides with examples, Enzymes, factors affecting enzyme activity, Vitamins its classification with examples, recommended dietary requirements, deficiency diseases of fat-and water-soluble vitamins, Metabolism (Study of cycle/pathways without chemical structures), of Carbohydrates: Glycolysis, TCA cycle and glycogen metabolism, regulation of blood glucose, Minerals types, its functions and deficiency diseases, recommended dietary requirements, Water and Electrolytes distribution, functions of water in the body, Introduction to Biotechnology, organ function tests like kidney and liver, and introduction to pathology of blood and urine.</p>	PO1, PO4, PO7, PO9
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14	ER 20-24T	Pharmacotherapeutics– Theory	Pharmacotherapeutics – Introduction, scope, and objectives. Rational use of Medicines, Evidence Based Medicine, Essential Medicines List, Standard Treatment Guidelines (STGs), Definition, etiopathogenesis, clinical manifestations, non-pharmacological and pharmacological management of the diseases associated with Cardiovascular System, Respiratory System, Endocrine System, Central Nervous System, Gastro Intestinal Disorders, Hematological disorders, Infectious diseases, Musculoskeletal disorders, Dermatology, Ophthalmology, Anti-microbial Resistance, Women’s Health.	PO1, PO4, PO5, PO7, PO9
15	ER 20-25T	Hospital & Clinical Pharmacy– Theory	Definition and scope of Hospital Pharmacy, national and international scenario, Professional responsibilities, Qualification and experience requirements, Good Pharmacy Practice (GPP) in hospital, Role of Pharmacists, Pharmacy and Therapeutics Committee, Supply Chain and Inventory Control, Drug distribution, Compounding in Hospitals, Radio Pharmaceuticals, Application of computers in Hospital Pharmacy Practice, Definition and scope of Clinical Pharmacy, daily activities of clinical pharmacists in Pharmaceutical care, Clinical laboratory tests used in the evaluation of various disease states viz. Hematological, Liver function, Renal function,	PO1, PO2, PO4, PO7, PO9



			thyroid function tests, Poisoning, Pharmaco-vigilance, and Drug Interactions.	
16	ER 20-26T	Pharmacy Law & Ethics	A brief study of various pharmaceutical legislations. A brief study of various acts and rules governing pharmacy profession. Code of ethics related to pharmacy profession.	PO1, PO4, PO5, PO7, PO9
17	ER 20-21P	Pharmacology– Practical	Common laboratory techniques: Study of different routes of drugs administration in mice/rats. Anticonvulsant effect of drugs by MES and PTZ method. Study of stereotype and anti-catatonic activity of drugs on rats/mice. Study of anxiolytic activity of drugs using rats/mice. Study of local anesthetics by different methods. Miotic/Mydriatic, Analgesimeter, muscle relaxants, Actophotometer, Plus maze, isolated heart preparation, ciliary movement, pyrogen testing using different animal models.	PO1, PO4, PO7, PO8, PO9
18	ER 20-22P	Community Pharmacy & Management Practical	Handling of prescriptions, Identification of drug-drug interactions in the prescription and follow-up actions, Preparation of dispensing labels, Health screening services for monitoring patients. Blood Pressure recording, Capillary Blood Glucose Monitoring, Lung function assessment, recording capillary oxygen level, BMI measurement, providing counseling to simulated patients for the different chronic diseases / disorders including education on the use of devices	PO1, PO2, PO4, PO6, PO7, PO8, PO9



			<p>such as insulin pen, inhalers, spacers, nebulizers, etc.</p> <p>Providing counseling to simulated patients for different minor ailments viz. Headache, GI disturbances etc.</p> <p>Appropriate handling of dummy dosage forms with correct administration techniques - oral liquids with measuring dropper, nebulizers, Use of Community Pharmacy Software and digital health tools.</p>	
19	ER20-23P	Biochemistry & Clinical Pathology– Practical	<p>Qualitative analysis of carbohydrates, Proteins and amino acids, lipids, urine for normal and abnormal constituents, Determination of constituents of urine (glucose, creatinine, chlorides), Determination of constituents of blood/serum (simulated) (Creatine, glucose, cholesterol, Calcium, Urea, SGOT/SGPT), Study the hydrolysis of starch from acid and salivary amylase enzyme.</p>	PO1, PO2, PO4, PO6, PO7, PO9
20	ER20-24P	Pharmaco-therapeutics Practical	<p>Preparation and discussion of SOAP (Subjective, Objective, Assessment and Plan) notes for at least 6 clinical cases (real / hypothetical) of different disease conditions like Hypertension, Angina Pectoris etc. Patient counseling exercises using role plays based on the real / hypothetical clinical case scenarios. Simulated cases to enable dose calculation of selected drugs in pediatrics, and geriatrics under various pathological conditions.</p>	PO1, PO2, PO4, PO6, PO7, PO9



21	ER20-25P	Hospital & Clinical Pharmacy– Practical	<p>Systematic approach to drug information queries using primary/ secondary/ tertiary resources of information, Interpretation of laboratory reports to optimize the drug therapy in a given clinical case, Filling up IPC's ADR Reporting Form and perform causality assessments using various scales, Demonstration / simulated / hands-on experience on the identification, types, use / application /administration of Orthopedic and Surgical Aids such as knee cap, LS belts, abdominal belt, walker, walking sticks, etc. Different types of bandages such as sterile gauze, cotton, crepe bandages, etc. Needles, syringes, catheters etc. Case studies on drug-drug interactions, Wound dressing, Vaccination and injection techniques (IV, IM, SC) using mannequins, Use of Hospital Pharmacy Software and various digital health tools.</p>	PO1, PO2, PO4, PO7, PO9
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2.2 Adherence to Academic Calendar (10)**Institute Marks = 10**

The academic calendar is adhered to completely. The session starts as per the date provided by Punjab State Board of Technical Education & Industrial Training, (PSBTE&IT), Punjab. Three sessional exams are conducted during each year as per board guidelines, according to the academic calendar. The final theory examination date-sheet is provided by PSBTE & IT Punjab and practical exams are conducted according to the dates provided by PSBTE & IT Punjab.

Table No. 2.2 ACADEMIC CALENDAR 2020-2021

Event		Prescribed date	Actual date
COMMENCEMENT OF SESSION		01.09.2020 (1 st year)	01.09.2020 (1 st Year)
		17. 08.2020 (2 nd Year)	17.08.2020 (2 nd Year)
1 ST SESSIONAL EXAMS		25.11.2020	26.11.2020
2 ND SESSIONAL EXAMS		23.02.2021	26.03.2021 *
3 RD SESSIONAL EXAMS		03.05.2021	01.06.2021 *
BOARD EXAMS	THEORY	01.06.2021 Onwards	23.06.2021
	PRACTICAL	01.06.2021 Onwards	

Note: * Second Corona Wave

Table No. 2.3 ACADEMIC CALENDAR 2021-2022

Event		Prescribed date	Actual date
COMMENCEMENT OF SESSION		01.10.2021(1 st Year)	01.10.2021(1 st Year)
		01.09.2021(2 nd year)	01.09.2021(2 nd Year)
1 ST SESSIONAL EXAMS		15.11.2021	29.11.2021
2 ND SESSIONAL EXAMS		18.02.2022	24.02.2022
3 RD SESSIONAL EXAMS		18.04.2022	02.05.2022
BOARD EXAMS	THEORY	01.06.2021 Onwards	17.6.2022
	PRACTICAL	01.06.2021 Onwards	24.05.2022 (2 nd Year)
			01.06.2022 (1 st Year)



Table No. 2.4 ACADEMIC CALENDAR 2022-2023

Event		Prescribed date	Actual date
COMMENCEMENT OF SESSION		12.10.2022(1 st Year)	12.10.2022(1 st Year)
		11.08.2022(2 nd Year)	11.08.2022(2 nd Year)
1 ST SESSIONAL EXAMS		27.9.2022	12.10.2022
2 ND SESSIONAL EXAMS		20.12.2022	19.12.2022
3 RD SESSIONAL EXAMS		28.02.2023	27.02.2023
BOARD EXAMS	THEORY	25.05.2023 Onwards	25.05.2023 Onwards (2 nd Year)
		07.06.2023 Onwards	07.06.2023 Onwards (1 st Year)
	PRACTICAL	11.05.2023 Onwards	11.05.2023 Onwards (2 nd Year)
		19.06.2023 Onwards (1 st Year)	19.06.2023 Onwards (1 st Year)



2.3 Initiatives in teaching and learning process (15) Institute Marks = 15

2.3.1 Implementation of teaching learning process

- **Classroom / blackboard Teaching:** Mainstay of traditional college education, verbal transaction with the use of black board and chalk so that students get clear picture of topic.
 - **Laboratory teaching:** The laboratories are used to prove a practical exposure and demonstration of various concepts.
 - **Presentations (through slide projectors):** Ideas and concepts taught during lectures are reinforced in minds of students with aid of presentations and videos.
 - **Demonstrations:** Demonstrations are given by faculty to the students before they perform experiments.
 - **Tutorials*:** Tutorials are a way of better interaction with students and enable close monitoring. Students learn problem solving and discuss their problem in less formal way.
 - **Assignments*:** Assignments help to improve problem solving skills of students through understanding of theory through practice. Assignments improve skills such as literature survey, data interpretation, writing and reporting.
 - **Field Visits*:** Field visits provide the real-world experience to the students and help them to apply theoretical knowledge to solve the problems in the world around them.
 - **Continuous assessment:** Student performance is evaluated during practical classes on a regular basis.
 - **Study Material in Library**
 - (i) Journals:6 Journals
 - (ii) Latest editions of Pharmacopoeias
 - (iii) Text books (Total number 1510, including 330 reference books. Total titles are 122).
 - **Museum:** Specimens of crude drugs, colored slides and potent medicines are displayed.
 - **Botanical Garden:** Different medicinal plants are available.
- (*- Implemented w.e.f. July 2021 as per Education Regulation 2020)



2.3.2 Initiatives in improving instruction methods

- Provision of computers with internet connection to faculty as well as students
- Multi-media projector in smart classroom
- E-learning
- Example based teaching
- Peer groups
- Small discussions and support groups
- Use of sophisticated instruments during practical classes
- Organizing Industrial visits
- Preparation of models, herbarium etc.

2.3.2.1 Processes followed to ensure/ improve quality of Teaching & Learning

- Department calendar of events is prepared well in advance, before commencement of session based on the college/board calendar of events. It consists of activities planned for the session which includes internal test dates, display of internal marks, conduction of events like organizing test lecture, seminars etc.
- Subject allotment is done well in advance for the staff to prepare lesson plans, course plan, and lecture notes.
- As per the board guidelines, experiments prescribed in the syllabus are to be conducted. Laboratory manual explaining the details of the experiments are available with the course teacher and are given to students at the commencement of the session.
- The faculty of department adopts various innovative teaching and learning methodologies to create the best learning environment for students.
- These methodologies include traditional blackboard teaching, presentation, video lecturing, collaborative learning methods are used where every concept is explained in detail.



- Lecture Session duration is 50 minutes. Laboratory duration is 2 hrs. 30 minutes. Assignments are given to students for their better performance.
- Expert talks and seminars are conducted regularly and for this, experts from different fields and hospitals are invited.
- Remedial classes are conducted for the slow learners based on their performance in external exams and after the first periodical exams.
- Motivating and guiding students for higher studies and board ranks.
- Technical quiz is conducted for the students.
- The entire faculty is required to maintain attendance registers, course files.
- Industrial visits are conducted at least twice a year to reduce the gap between industry and institute.
- Workshops are organized to help the students to understand concepts beyond curriculum. One to one discussion, interaction between teachers and students has increased confidence levels of the students.
- Identification of bright and weak students: Motivating the weak students to attend remedial classes and helping them solve more problems. Encouraging the bright students to attend more workshops and expert talks.

2.3.3 Quality of Experiments

- There are spacious, well - ventilated, well equipped laboratories with safety parameters.
- Each lab has first-aid box.
- There is fire-extinguisher installed at each floor.
- List of experiments is displayed in each lab.
- Laboratory experiments are conducted systemically as per the prescribed syllabus.
- Teachers are appointed in ratio of 1:20 for smooth conduct of practicals.
- A group of 2-3 students is formed to learn and conduct the experiments.
- The Pharmacy laboratories are conducted for a period of 2.5 hours.
- The college has fully equipped laboratories with several sophisticated instruments as per the curriculum.
- Faculty members of respective specialization form a group of students with a team leader to discuss the preparation of manual, material requirements, conduction of experiments before commencement of year.



- Practicals are conducted as per the standard procedures.
- The students are imparted training on operation of latest instruments, handling of chemicals, good laboratory practices, standard operating procedures, maintenance, documentation etc.
- Observations of experiments performed are noted down, analyzed and reported in the practical note books maintained by students.
- Each experiment is checked and evaluated by respective faculty after each lab.
- Viva questions are prepared in advance for all the experiments.
- The college organizes inter college and inter department contests, symposia to encourage students to demonstrate their technical skills.

2.3.4 Encouraging Bright students

1. **Scholarships:** To encourage the poor and bright students in studies, different types of scholarship schemes are provided to the students. List of all the scholarship schemes are given below (Table -2.5):-

Table No. 2.5 List of scholarship Sponsoring Agency

S. No.	Name of Sponsoring Agency	Total Amount
1	MCP Tuition Waiver Scheme: A) 1st in State-Full Tuition Fee B) 2nd in State-Half Tuition Fee	Rs. 1 Lacs Rs. 50,000/-
2	Prof. Kuldip Laroia Memorial Charitable & Educational Trust	Rs. 50,000/-
3	Prof. Thakur Dass Sharma Scholarship (USA Based Trust)	Rs. 50,000/-
4	Sh. Pal Singh Krishna Devi Memorial Scholarship	Rs. 50,000/-
5	Prof. Kanwaljit Dhudika Scholarship, UK	Rs. 50,000/-
6	Harmony · 86	Rs. 1 Lacs
7	Harmony · 91	Rs. 1 Lacs
8	NGO Humanity	Rs. 1 Lacs
9	Udasin Ashram Scholarship (Single Parent Child)	Rs. 50,000/-
10	Pushpa Rani Chopra Memorial Scholarship (USA)	Rs. 1 Lacs
11	Additional Scholarships to Economically backward	Rs. 2 Lacs

Note: Apart from the above, special scholarships are also provided to **single parent child**, poor and deserving students. Scholarships are provided to the selected students from 1st year onwards. Students desirous of receiving scholarship can apply through the scholarship forms available in the College office.



Table No. 2.6 List of students

Name of the Student	Roll No.	Scholarship Name	Year	Amount (In Rs.)
Ankita	450/18	Prof. Kanwaljit Dhudike	2020	11000
Jaskirat Singh	419/21	Low income group	2021	11000
Saklain Mohammed	446/21	Low income group	2021	11000
Navdeep Singh	432/21	Low income group	2021	11000
Pritam Shukla	436/21	Low income group	2021	11000
Rajesh Sharma	445/20	Prof. Kanwaljit Dhudike	2021	5500
Jaskirat Singh	419/21	Low income group	2022	11000
Saklain Mohammed	446/21	Low income group	2022	11000
Navdeep Singh	432/21	Low income group	2022	11000
Pritam Shukla	436/21	Low income group	2022	11000
Rohan Kumar	443/20	Single Parent Child	2022	11000
Sourav Sethi	452/22	Prof. Kanwaljit Dhudike	2022	5500

- 3 **Post Matric Scholarship (PMS):** To upgrade the Post Matric Scholarship (PMS), sets of text books are provided free to the Pharmacy students.
- 4 **Book Bank:** The facility of book bank is given to bright and needy students. The college has book bank comprising more than 500 books in library. The students are issued text books for whole session to assist in their studies.
- 5 The MCP college always had the culture of encouraging bright students by providing them necessary guidance and moral support.
- 6 Certificates and prizes are provided to Class Toppers in annual prize distribution function.



- 7 Students are encouraged to attend guest lectures, workshops and seminars. They are encouraged to take up initiative and participate in various competitions.
- 8 The bright students having high academic records are encouraged by faculty to achieve board ranks.

2.3.5 Assisting Weak Students

The department has a well- defined process of monitoring, guiding and assisting slow learners (weak students)

- **Bharosa Shivir** is conducted twice a year to encourage weak students. This camp is organized at the institution level to develop self-confidence and sense of belongingness in the academically weak students or slow learners. Motivational speakers are invited from various fields and backgrounds to address the students through games, lectures or organizing various competitions amongst them. They share their experiences and motivate students to overcome various hurdles and excel in life.
- **Academically weak student (AWS) groups:** Care is taken by the faculty in monitoring the performance of slow learners. The students deviating from studies are observed by the respective class in-charges and corrective measures are suggested. To assist academically weak students in studies, additional services & facilities are provided to them like academically weak student (AWS) groups & peer groups. AWS groups are created for both the classes (D. Pharmacy 1st year & 2nd year) in which we take extra lectures of weak students to clear their doubts, revision and repeat the topic that is already covered in regular classes. The observable impact of assisting weak students is reduced number of identifiable weak students, improved results and less number of failures in each subject.
- **Book Bank:** The book bank facility is given to weak students to help in their studies. The college has book bank facility for every stream. The book bank facility is given to weak and needy students to help them in their studies.



- **Parent Teacher Meet (PTM):** The faculty members also go a step ahead and have periodic interaction with the parents in the PTM about the performance of slow learners. Every parent is informed about the internal assessment marks and the attendance. A blended motivation and responsibility from both parents and faculty will create a positive mindset and will help to overcome the inabilities and hurdles faced by the slow learners.
- **Financial Assistance:** Financial assistance is given to needy and deserving students. 16 students of Pharmacy department were given full fee concession and scholarship worth Rs. 12000/- to Rs. 28617/- were provided to students by Director Academic Punjab State Board of Technical Education, through video conferencing. The details are given in the following table (Table No 2.7)

Table No. 2.7 List of students

S.No	Institute Name	Student Name/ Registration No.	Amount (In Rs.)	Cheque No./ Date	Student of full fee Concession and Scholarship 2018-19 & 2019-20
1.	Mehr Chand Polytechnic College, Jalandhar	Satnam Singh 190401901842	28,617/-	016893 10.05.2021	Full Fee Concession
2.	Mehr Chand Polytechnic College, Jalandhar	Manjinder Singh 190401901821	28,617/-	016894 10.05.2021	Full Fee Concession
3.	Mehr Chand Polytechnic College, Jalandhar	Rahul Kumar 190401901830	28,617/-	016895 10.05.2021	Full Fee Concession
4.	Mehr Chand Polytechnic College, Jalandhar	Yuvraj 190401901855	28,617/-	016896 10.05.2021	Full Fee Concession
5.	Mehr Chand Polytechnic College, Jalandhar	Harish Kumar 190401901813	28,617/-	016897 10.05.2021	Full Fee Concession
6.	Mehr Chand Polytechnic College, Jalandhar	Avinash Kumar 190401901803	28,617/-	016898 10.05.2021	Full Fee Concession



7.	Mehr Chand Polytechnic College, Jalandhar	Abhishek Srivastava 190401901798	28,617/-	016899 10.05.2021	Full Fee Concession
8.	Mehr Chand Polytechnic College, Jalandhar	Vikram Choudhary 180405390220	12,000/-	016911 10.05.2021	Scholarship
9.	Mehr Chand Polytechnic College, Jalandhar	Dharmendra Kumar 190401901809	12,000/-	016915 10.05.2021	Scholarship
10.	Mehr Chand Polytechnic College, Jalandhar	Akash 201840191937	27,985/-	016829 10.05.2021	Full Fee Concession
11.	Mehr Chand Polytechnic College, Jalandhar	Amit Shukla 201840191940	12,000/-	016839 10.05.2021	Scholarship
12.	Mehr Chand Polytechnic College, Jalandhar	Vikas Prajapati 201840191989	12,000/-	016846 10.05.2021	Scholarship
13.	Mehr Chand Polytechnic College, Jalandhar	Aarti 201840191933	12,000/-	016847 10.05.2021	Scholarship
14.	Mehr Chand Polytechnic College, Jalandhar	Paramjit Singh 201840191868	12,000/-	016848 10.05.2021	Scholarship
15.	Mehr Chand Polytechnic College, Jalandhar	Sandeep Kumar 201840191983	12,000/-	016853 10.05.2021	Scholarship
16.	Mehr Chand Polytechnic College, Jalandhar	Deepika Sharma 201840191950	12,000/-	016856 10.05.2021	Scholarship



Peer groups: Peer groups of both the classes i.e. D. Pharmacy 1st year & 2nd year are made. In each group there are 10-11 students, among them one is topper, two are mediocre & some are weak students. These students are instructed to work as a team. Different tasks are assigned to the students to develop them to work as a team.

Table No. 2.8 D Pharm Ist Year (2022-2023) Peer Groups

Group A					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Abhinav Kumar	401/22	6	Alok Kumar	406/22
2	Abhishek Gahla	402/22	7	Amanpreet Singh	407/22
3	Ajay Singh	403/22	8	Amit Kumar	408/22
4	Ajit Kumar	404/22	9	Angoori Khatoon*	409/22
5	Akshay Kalra	405/22	10	Arshdeep Singh	410/22

Group B					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Ashish Kumar	411/22	6	Harsh	416/22
2	Ashutosh Kumar	412/22	7	Hitika	417/22
3	Bharat*	413/22	8	Ishita	418/22
4	Geetu	414/22	9	Jash	419/22
5	Gudiya	415/22	10	Karan Gill	420/22



Group C					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Karan Kalsi	421/22	7	Meena Kumari	427/22
2	Keshav	422/22	8	Motiraj Verma	428/22
3	KM Soni Singh	423/22	9	Muskan Banger	429/22
4	Kunal Kundal	424/22	10	Navish Sharma	430/22
5	Kundan Kumar	425/22	11	Vanshika*	461/22
6	Manjot Kaur	426/22			

Group D					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Navjot	431/22	6	Pooja Kumari	436/22
2	Neha	432/22	7	Prikshat*	437/22
3	Nittin	433/22	8	Puneet Sethi	438/22
4	Palak	434/22	9	Rahul	439/22
5	Pawanpreet Singh	435/22	10	Rahul Thakur	440/22

Group E					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Rajvir Kaur	441/22	7	Shailja	447/22
2	Rajwinder	442/22	8	Shantanu Kumar	448/22
3	Rohan Khosla	443/22	9	Shiv Darshan	449/22
4	Saloni	444/22	10	Simran*	450/22
5	Saniya Khokhar	445/22	11	Pawanpreet Singh	463/22
6	Sayjan Alam	446/22			



Group F					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Siya	451/22	7	Surya Parkash	457/22
2	Sourav Sethi	452/22	8	Tanisha* Sharma	458/22
3	Sudhanshu	453/22	9	Tushar Pal	459/22
4	Sukhvir Singh	454/22	10	Uday Kumar	460/22
5	Sumit Kumar Verma	455/22	11	Yuvraj Singh	462/22
6	Suneha	456/22			

Table No. 2.9 D Pharmacy IInd Year (2022-2023) Peer Group

Group A					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Abhi Kalra	401/21	7	Ankit Kumar	407/21
2	Ajay Kumar	402/21	8	Anmol Chohan	408/21
3	Ajay Kumar	403/21	9	Bupinder Banger	409/21
4	Akshay Saroop	404/21	10	Dharamvir Rai	412/21
5	Amanbir Singh	405/21	11	Gautam Kalsi	413/21
6	Amarjit Kumar*	406/21			

Group B					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Ganshyam	414/21	7	Jaswinder Pal Singh	420/21
2	Gurminder	415/21	8	Jatin Singh Negi	421/21
3	Gursharan Singh	416/21	9	Kailash Chohan	423/21
4	Gursimran Singh*	417/21	10	Khushboo	424/21
5	Heena	418/21	11	Kush	425/21
6	Jaskirat Singh	419/21			



Group C					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Love	426/21	7	Navjot Singh	433/21
2	Manvir Singh	427/21	8	Nikhil Kumar	434/21
3	Maninder Singh	428/21	9	Pritam Shukla	436/21
4	Manjeet	429/21	10	Priyanka	437/21
5	Mayank Chawla	431/21	11	Rajbir Singh	438/21
6	Navdeep Singh*	432/21			

Group D					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Rajinder Kumar	439/21	7	Saklain Mohammed*	446/21
2	Rajveer Kaur	440/21	8	Sanyam	447/21
3	Ravideep Singh	442/21	9	Shakshi	448/21
4	Ritick	443/21	10	Sukhjeen Singh	451/21
5	Rohit Kumar	444/21	11	Vikas Kumar	459/21
6	Sajan Preet Singh	445/21			

Group E					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Simranjit Kaur*	450/21	7	Versha Sahu	457/21
2	Sukhwinder Kumari	452/21	8	Vineet Jasawal	460/21
3	Sumandeep	453/21	9	Sodhi Singh	461/21
4	Suraj	454/21	10	Nikhil Dhand	462/21
5	Tanveer Singh	455/21	11	Neeraj	465/21
6	Tanwinder Kaur	456/21	12	Sahil Prashar	466/21



Table No. 2.10 D.Pharmacy 1st Year (2021-2022) Peer Groups

Group A					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Abhi Kalra	401/21	7	Ankit Kumar	407/21
2	Ajay Kumar	402/21	8	Anmol Chohan	408/21
3	Ajay Kumar	403/21	9	Bupinder Banger	409/21
4	Akshay Saroop	404/21	10	Dharamvir Rai	412/21
5	Amanbir Singh	405/21	11	Gautam Kalsi	413/21
6	Amarjit Kumar*	406/21			

Group B					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Ganshyam	414/21	7	Jaswinder Pal Singh	420/21
2	Gurminder	415/21	8	Jatin Singh Negi	421/21
3	Gursharan Singh	416/21	9	Kailash Chohan	423/21
4	Gursimran Singh*	417/21	10	Khushboo	424/21
5	Heena	418/21	11	Kush	425/21
6	Jaskirat Singh	419/21			

Group C					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Love	426/21	7	Navjot Singh	433/21
2	Manvir Singh	427/21	8	Nikhil Kumar	434/21
3	Maninder Sgh	428/21	9	Pritam Shukla	436/21
4	Manjeet	429/21	10	Priyanka	437/21
5	Mayank	431/21	11	Rajbir Singh	438/21
6	Navdeep*	432/21			



Group D					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Rajinder Kumar	439/21	7	Saklain Mohammed*	446/21
2	Rajveer Kaur	440/21	8	Sanyam	447/21
3	Ravideep Singh	442/21	9	Shakshi	448/21
4	Ritick	443/21	10	Sukhjeen Singh	451/21
5	Rohit Kumar	444/21	11	Vikas Kumar	459/21
6	Sajan Preet Singh	445/21			

Group E					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Simranjit Kaur*	450/21	7	Versha Sahu	457/21
2	Sukhwinder Kumari	452/21	8	Vineet Jasawal	460/21
3	Sumandeep	453/21	9	Sodhi Singh	461/21
4	Suraj	454/21	10	Nikhil Dhand	462/21
5	Tanveer Singh	455/21	11	Neeraj	465/21
6	Tanwinder Kaur	456/21	12	Sahil Prashar	466/21



D.PHARMACY IInd YEAR (2021-2022) PEER GROUPS

Group A					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Abhishek	401/20	6	Ankit Gond	406/20
2	Akashdeep Singh	402/20	7	Ankush Kumar	407/20
3	Akshay Oberoi*	403/20	8	Anmol	408/20
4	Amandeep Singh	404/20	9	Arjun Singh	409/20
5	Anish Arora	405/20	10	Arun Sidhu	410/20

Group B					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Aveneet Kaur	411/20	6	Dina Nath	416/20
2	Awanish Kumar*	412/20	7	Dinesh Singh	417/20
3	Balwinder Singh	413/20	8	Dinesh Wadhera	418/20
4	Devansh Parmar	414/20	9	Gautam	419/20
5	Dheeraj Kumar	415/20	10	Gulshan Viridi	420/20

Group C					
Sr. No.	Name of Student	Roll No.	Sr. No.	Name of Student	Roll No.
1	Harjinder Singh	421/20	6	Jatin Arora	426/20
2	Harkirat Singh	422/20	7	Komalpreet Singh	427/20
3	Harvinder Singh	423/20	8	Lovepreet Singh	428/20
4	Himanshu Mishra*	424/20	9	Mandeep Kaur	429/20
5	Jatin	425/20	10	Mandeep Singh	430/20



Group D					
Sr. No.	Name of Student	Roll No.	Sr. No.	Name of Student	Roll No.
1	Manjot Kaur	431/20	6	Narinder Kumar	436/20
2	Manjot Singh	432/20	7	Neelam	437/20
3	MD Hassan Alam *	433/20	8	Nitesh Paswan	438/20
4	Mohit Kumar	434/20	9	Nitil Gupta	439/20
5	Nainy Kumari	435/20	10	Pardeep Randhawa	440/20

Group E					
Sr. No.	Name of Student	Roll No.	Sr. No.	Name of Student	Roll No.
1	Parmod Kumar	441/20	6	Ribhav	446/20
2	Pavitar Rani	442/20	7	Sahil	447/20
3	Prabhmeet Singh Grover*	443/20	8	Sahil Bajaj	448/20
4	Prakriti Vasudeva	444/20	9	Sandeep Kumar	449/20
5	Rajesh Sharma	445/20	10	Sandeep Singh	450/20

Group F					
Sr. No.	Name of Student	Roll No.	Sr. No.	Name of Student	Roll No.
1	Saurav	451/20	6	Sumit	456/20
2	Shakti Kumar	452/20	7	Titus	457/20
3	Shikha Rani	453/20	8	Vikas Pandey	458/20
4	Simran Kaur*	454/20	9	Vishnu Sakija	459/20
5	Sonu	455/20	10	Yashpal	460/20



Table No. 2.11 D.PHARMACY Ist YEAR (2020-2021) PEER GROUPS

Group A					
Sr. No.	Name of Student	Roll No.	Sr. No.	Name of Student	Roll No.
1	Abhishek	401/20	6	Ankit Gond	406/20
2	Akashdeep Singh	402/20	7	Ankush Kumar	407/20
3	Akshay Oberoi*	403/20	8	Anmol	408/20
4	Amandeep Singh	404/20	9	Arjun Singh	409/20
5	Anish Arora	405/20	10	Arun Sidhu	410/20

Group B					
Sr. No.	Name of Student	Roll No.	Sr. No.	Name of Student	Roll No.
1	Aveneet Kaur	411/20	6	Dina Nath	416/20
2	Awanish Kumar*	412/20	7	Dinesh Singh	417/20
3	Balwinder Singh	413/20	8	Dinesh Wadhwa	418/20
4	Devansh Parmar	414/20	9	Gautam	419/20
5	Dheeraj Kumar	415/20	10	Gulshan Viridi	420/20

Group C					
Sr. No.	Name of Student	Roll No.	Sr. No.	Name of Student	Roll No.
1	Harjinder Singh	421/20	6	Jatin Arora	426/20
2	Harkirat Singh	422/20	7	Komalpreet Singh	427/20
3	Harvinder Singh	423/20	8	Lovepreet Singh	428/20
4	Himanshu Mishra*	424/20	9	Mandeep Kaur	429/20
5	Jatin	425/20	10	Mandeep Singh	430/20



Group D					
Sr. No.	Name of Student	Roll No.	Sr. No.	Name of Student	Roll No.
1	Manjot Kaur	431/20	6	Narinder Kumar	436/20
2	Manjot Singh	432/20	7	Neelam	437/20
3	MD Hassan Alam*	433/20	8	Nitesh Paswan	438/20
4	Mohit Kumar	434/20	9	Nitil Gupta	439/20
5	Nainy Kumari	435/20	10	Pardeep Randhawa	440/20

Group E					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Parmod Kumar	441/20	6	Ribhav	446/20
2	Pavitar Rani	442/20	7	Sahil	447/20
3	Prabhmeet Singh Groverv*	443/20	8	Sahil Bajaj	448/20
4	Prakriti Vasudeva	444/20	9	Sandeep Kumar	449/20
5	Rajesh Sharma	445/20	10	Sandeep Singh	450/20

Group F					
Sr. No.	Name of Student	Roll No.	Sr. No.	Name of Student	Roll No.
1	Saurav	451/20	6	Sumit	456/20
2	Shakti Kumar	452/20	7	Titus	457/20
3	Shikha Rani	453/20	8	Vikas Pandey	458/20
4	Simran Kaur*	454/20	9	Vishnu Sakija	459/20
5	Sonu	455/20	10	Yashpal	460/20



Table No. 2.12 D.PHARMACY IInd YEAR (2020-2021) PEER GROUPS

Group A					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Aarti*	401/19	6	Amanpreet Singh	406/19
2	Abhinav Kumar	402/19	7	Amanpreet	407/19
3	Abhishek Srivatva	403/19	8	Avinash Kumar	408/19
4	Akash Kanojia	404/19	9	Bhavishya Chawla	409/19
5	Akishapal Kaur	405/19	10	Devesh Nanda	410/19

Group B					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Dharamendra Kumar	411/19	6	Jasleen Kaur	416/19
2	Dilbag Singh	412/19	7	Kuldeep	417/19
3	Harish Kumar	413/19	8	Lovepreet Kaur*	418/19
4	Harpreet Thapar	414/19	9	Manjinder Singh	419/19
5	Japanpreet Singh	415/19	10	Manmeet	420/19

Group C					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Mohit Heer	421/19	6	Ranjit Kaur	426/19
2	Pardeep Singh	422/19	7	Ravinder Pal	427/19
3	Priya Roy*	423/19	8	Ritu Rani	428/19
4	Rahul Bhaskar	424/19	9	Sahil	429/19
5	Rahul Kumar	425/19	10	Sahil	430/19



Group D					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Sahil	431/19	6	Satnam Singh*	436/19
2	Sahil	432/19	7	Shivam Suri	437/19
3	Sahil Arora	433/19	8	Simranjeet Kaur	438/19
4	Sahiljeet Singh	434/19	9	Sourav Kumar	439/19
5	Sakshi	435/19	10	Vandana	440/19

Group E					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Vinit Thapa	441/19	6	Baljinder Kumar	446/19
2	Yash Karan Chechi	442/19	7	Deepak*	447/19
3	Yogendra Sharma	443/19	8	Dilpreet Singh	448/19
4	Yuvraj	444/19	9	Gurleen Kaur	449/19
5	Ayub	445/19	10	Gurleen Rattan	450/19

Group F					
Sr. No	Name of Student	Roll No.	Sr. No	Name of Student	Roll No.
1	Komalpreet Kaur*	451/19	6	Shivani	456/19
2	Karnbir Singh	452/19	7	Shrishti	457/19
3	Piyush Bhardwaj	453/19	8	Tarandeep Kaur	458/19
4	Prince	454/19	9	Vikas Yadav	459/19
5	Ritu Devi	455/19	10	Yatin	460/19

- * Team Leader



INTER-WOVEN STRENGTHS

❖ **STUDENT TEACHER COUNCIL (Academic Council)**

It is an important administrative council of the college which includes two student representatives from each class, class incharges, Head of departments and teacher incharges with important portfolios such as controller of examination, training and placement officer, college overseer, librarian, NCC and NSS Officer, cultural and sports officer, student advisor of college chapter etc.

This council is directly headed by Principal of the college. The meeting of the council is held at least once in a year. All the important decisions related to students and their activities, their general and academic problems are deliberated frequently in the council and resolved in the interest of the institute and the students.

❖ **BEST DEPARTMENT TROPHY**

Lala Mehr Chand Best Department Trophy is awarded every year since 2011 to the Best Department showing all around brilliant performance in academics, sports, placement, co-curricular activities and extracurricular activities.

Pharmacy department has been awarded first prize in the year 2022 and 2018 and second prize in the year 2016.



Faculty Receiving Best Department Award from Principal Dr. Jagroop Singh



Best Department Award 2022 from members of Local Managing Committee

❖ INTERNAL RATIONALIZATION COMMITTEE

To frequently check the performance record of teachers and students in the college, a committee known as Internal Rationalization Committee has been constituted by the Principal which meets at least two times in a year, The members include.

- Principal of the college.
- Sr. HOD
- Controller of Examination.

Feedback is taken from the students regarding assignments, periodical tests, Lab practical work, field visits. If the progress of the related subjects is not according to time schedule and syllabi prescribed by the Punjab State Board of Technical Education, proper instructions are issued by the Committee accordingly.

❖ PARENT TEACHER ASSOCIATION (PTA)

This body has been recently established in the college on the pattern of Govt. and Public schools to deal with the affairs of students. Local willing parents and guardians are enrolled in the body which includes Principal, concerned head of department, class incharges and members of anti-ragging and grievances committee. The body meets at least once in a year

to discuss ways and means regarding progress and development of the college through external means.

❖ ALUMNI ASSOCIATION

Alumni of 'Mehr Chand Polytechnic College' are its greatest asset. To apprise the students of their role in the development of the polytechnic college as well as to make the students, teachers and alumni feel proud of their 'dream polytechnic', an active Alumni Association has been established in the college. Many of our alumni are well placed in India and foreign countries. MCPians have always made their alma mater proud. Each honorable member of the association possesses some incredible value to the polytechnic college and dreams collectively towards the progress and development of the institute.

❖ RED RIBBON CLUB

The Red Ribbon Club in Mehr Chand Polytechnic College was formed in February, 2009. The main objective of this club is to create awareness among students about AIDS by providing knowledge about its prevention, mode of transmission. It also provides knowledge about harmful effects of drug addiction and measures to be taken to avoid drug addiction amongst students. The club also organizes painting competitions, expert health talks and group discussions among the students of this club. The Club works in collaboration with Red Ribbon Society PUSHPA GUJRAL SCIENCE CITY, KAPURTHALA. The club is headed by Sh. Sundip Kumar, Lecturer Pharmacy.



RALLY ON AIDS DAY (01/12/2022)

❖ SAVE EARTH SOCIETY

Mehr Chand Polytechnic College has established a special cell 'Save Earth Society' in 2009 to carry out general activities like organizing camps and creating awareness campaigns about tree plantation, blood donation, environmental pollution, global warming, drug addiction, female foeticide etc.

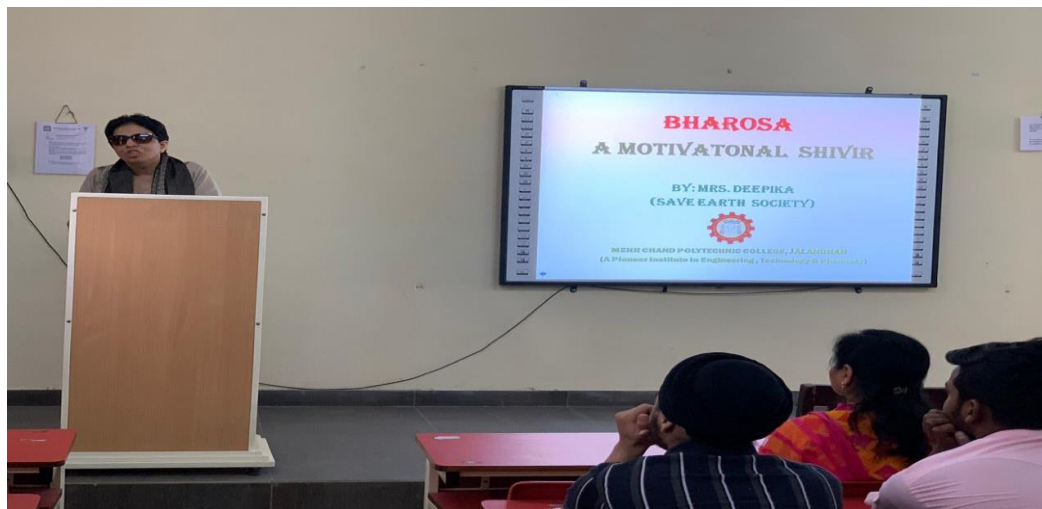
The important days/festivals celebrated under the banner of Save Earth Society include

1. Earth hour day
2. Environment day
3. Tilak Holi
4. Pollution Free Diwali
5. Blood donation day

Save Earth Society also organizes Shivir 'Bharosa' for academically weak students of the college. The society is headed by Dr. Sanjay Bansal, HOD Pharmacy. Meena Bansal (Senior Lecturer, Pharmacy Dept.) is Vice President of this society.



POLLUTION FREE DIWALI (02/11/2021)



BHAROSA SHIVIR (22/03/2023)

Dr. Deepika Saagar (Visually challenged Prof. HMV, Jalandhar) shared her views and motivated the students.

❖ NATIONAL CADET CORPS (NCC)

Mehr Chand Polytechnic College is equipped with well-organized NCC-Wing attached with 2PB Bn NCC-Jalandhar to prepare & Build 2nd Line Army for the country. It is shaping the youth of country into well behaved, cultured, mentally robust and highly disciplined citizens with officer like qualities to survive in all harsh and tough conditions of life.

Aims and Objectives

1. Unity and discipline
2. Opportunity for cadets to live and work together.
3. To develop Stamina, Endurance, Self Confidence, Team Spirit, Spirit-de-corps.
4. To meet the requirements of cadets for NCC- Special Entry Scheme into Armed forces.
5. To impart-Extensive coaching to qualify "Bee" & "Cee" certificate Exams.

To inculcate leadership qualities, various camps are organized by Indian Army.

1. Annual Training Camps (ATC)
2. Army Attachment Camps
3. Thal Sena Camps (TSC)

4. Republic Day Camps (RDC)
5. National Integration Camps (NIC)
6. Mountaineering Camps
7. Youth Exchange Programms (YEP)
8. Cycle Expeditions
9. Bee-Certificate Examination
10. Cee-Certificate Examination
11. SSB-Coaching at Officer Training Academy (OTA)

Capt. Pankaj Gupta is NCC Commissioned Officer as “Major” in Indian Army.



Pritam Shukla D.Pharmacy IInd Year student receiving award from Senior Army officers

❖ NATIONAL SOCIAL SERVICE (NSS)

To inculcate ethical and patriotic values in students, NSS wing has been established in the College in the year 2009. This wing has been set up not only to arouse the social conscience of the students but also to provide them an opportunity to work with the community in rural and urban sector. The Events/Campaigns usually conducted by NSS wing are:

- Tree Plantation
- Cleanliness Drive
- Drug De-addiction Camps / Seminars\
- Blood Donation camps
- Independence Day and National youth day Celebrations.
- Elocution contests and Group discussions
- Chetna March for preservation of language, art

Sh. Durgesh Kumar, Instructor in workshop department is the coordinator of NSS Wing.

❖ DAYANAND CHETNA MANCH

A cell named "Dayanand Chetna Manch" has been established in the year 2009 with the main aim to impart moral education to the students and make them self-reliant, determined and self-disciplined soldiers of the nation. Its work includes organizing various programmes and functions to meet its aim.

Its activities include

- (i) Celebrating birthdays & martyrdom days of great souls like Swami Dayanand, Shaheed Bhagat Singh and Mahatma Gandhi.
- (ii) To organize Vedic Hawan yajnas in college on special occasions.
- (iii) To celebrate Hindi Pakhwada Week by organising Hindi calligraphy contests, poet recitation and essay writing competitions among the students.
- (iv) To organise short term courses on English Speaking, Personality Development etc.
- (v) To coordinate activities of Arya Samaj and organize 'Chetna Shivirs' and religious tours for the moral upliftment of the students.



This manch encourages and motivates the students to participate in the activities of Arya Samaj Bikrampura (Jalandhar) run under the aegis of Arya Pradeshik Pratinidhi Upsabha (Punjab). This Manch is headed by Sh. Prabhu Dyal, Lecturer in Mechanical Engineering.



सक्षम पंजाब

सक्षम पंजाब समाचार पत्र विद्वत्सलीयत का दूसरा नाम

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मेहरचंद पोलिटेकनिक कालेज में संस्कृत दिवस पर करवाई मंत्र वाचन प्रतियोगिता

दयानंद चेतना मंच द्वारा किया गया इस प्रतियोगिता का आयोजन

करण कुमार

जालंधर : मेहर चंद पॉलीटेक्निक कॉलेज में दयानन्द चेतना मंच द्वारा बीते दिनों संस्कृत दिवस के अवसर पर मंत्र वाचन प्रतियोगिता करवाई गई जिसमें कॉलेज के कई विद्यार्थियों ने भाग लिया।

विद्यार्थियों ने अनेक ग्रंथों व शास्त्रों से ली गई प्रार्थनाओं को गाकर अपनी प्रतिभागिता दी। प्रतियोगिता में महिषासुर मर्दिनी स्तोत्र गाने वाले रोहित प्रथम स्थान पर रहे, द्वितीय स्थान शिव तांडव स्तोत्र गाने वाले सुमित ने पाया और तृतीय स्थान पाया मातृभूमि वन्दना गाने वाले भरत ने। तीनों ही



विद्यार्थी कॉलेज के फार्मेसी विभाग के हैं।

प्राचार्य श्री जगरूप सिंह ने विद्यार्थियों को संबोधित करते हुए कहा कि संस्कृत न सिर्फ एक वैज्ञानिक भाषा है बल्कि यह नैतिक शिक्षा का भी सर्वोत्तम साधन है, जिसकी आज के समय में बहुत आवश्यकता है। उन्होंने

इस श्रेष्ठ प्रयास के लिए दयानंद चेतना मंच के अध्यक्ष प्रभु दयाल को बधाई दी।

इस कार्यक्रम में निर्णायक की भूमिका में श्री हीरा महाजन व श्रीमती मीना बांसल और अन्य मुख्य मेहमानों में श्री दिलदार सिंह राणा व श्री कश्मीर कुमार व अन्य लोग उपस्थित थे।

❖ YOGA CLUB

The word 'Yoga' comes from Indian Philosophy, it literally means union, and in this context refers to the union of the individual's soul with the Universe. Yoga is an ancient philosophy of life as well as a system of exercise that encourages the union of mind, body, and spirit. In the words of Patanjali, author of the Yoga Sutras, "Yoga is the ability to focus the mind on a single point without distraction." Yoga is a physical discipline; it uses the body and breathing to develop self-awareness and mental clarity. Yoga camps are held in the college at least once in a year under the expert guidance of Mr. Prabhu Dayal, Lecturer Mechanical.

“International Yoga Day is celebrated every year on 21st June”

❖ **SPORTS WING****Talent wins games but teamwork and intelligence win championships**

Sports are most often played just for fun or for the simple fact that people need exercise to stay in good physical condition. However professional sport is a major source of learning leadership, cooperation and sportsmanship. “The spirit, the will to win, and the will to excel are the things that endure. These qualities are much more important than the events that occur”. “Sports do not build Character. They reveal it”. An Active Sports cell is working in the college under the expert guidance of Sh. D.S. Rana, HOD, Electrical and Sh. Kashmir Kumar, Senior Lecturer, Electrical.

❖ **CLEANLINESS DRIVE**

(16th January – 30th January)

To fulfill Mahatma Gandhi’s dream of clean and hygienic India and to support Prime Minister’s staff & students of Mehr Chand Polytechnic have decided voluntarily to start a fortnight campaign of Green and Clean Campus every year from 16th January to 30th January.

❖ **MANTHAN**

Principal Dr. Jagroop Singh initiated Manthan; a progressive talk with the student in small groups Under Manthan, Principals interacts directly with the students not only to understand their real or genuine problems but also to motivate them.



❖ RAGGING FREE CAMPUS

Ragging in college and hostel is completely banned in any form. To maintain proper discipline & decorum as per guidelines of Honorable Apex court, an Anti-ragging Committee is constituted. The committee will perform following functions:

- a. This will have visits, oversight & patrolling functions to ensure that there is no ragging in college campus or hostel.
- b. Arrange periodic and surprise visits to hostel, classes and canteen.
- c. Monitor anti-ragging activities in the institution and take appropriate decisions.
- d. Implement government directions against ragging including submissions of online undertakings by students/Parents/guardian to root out ragging in all forms from the college.



2.4 Initiatives related to Hospital & other related interactions (10)

To provide real-world experience to the students, the students are taken in group for field visit. They are taken to botanical gardens to witness the nature of various medicinal plants. They are also taken for industrial visits to understand various processes of manufacturing of different dosage forms such as manufacturing of Tablets, Capsules, Syrups etc. They are also made to visit hospitals and places such as garbage treatment plant, sewage treatment plant, effluent treatment plant, orphanage, Elderly-care-home and Primary health care centers.

Table No. 2.13 List of Field visits

S.No.	Date	Field Visits	Place
1	27/01/23	Manufacturing of Syrup	Dayanand Ayurvedic College, Jalandhar
2	01/02/23	Manufacturing of Tablet	Dayanand Ayurvedic College, Jalandhar
3	08/02/23	Manufacturing of Capsule	Dayanand Ayurvedic College, Jalandhar
4	12/12/22	Old Age Home	Lala Jagat Narain, Old Age Home Gulab Devi Hospital, Jalandhar
5	13/12/22	Hospital	Gulab Devi Hospital, Jalandhar
6	15/12/22	ETP (Effluent treatment Plant)	Gulab Devi Hospital, Jalandhar
7	09/11/22	Medicinal Plants	My Garden Nursery, Jalandhar
8	01/02/23	Medicinal Plants	Vanaspati Vatika, Jalandhar
9	14/12/21	Manufacturing of Syrup	Dayanand Ayurvedic College, Jalandhar
10	22/12/21	Manufacturing of Tablet	Dayanand Ayurvedic College, Jalandhar
11	23/12/21	Manufacturing of Capsule	Dayanand Ayurvedic College, Jalandhar



Memoranda of Understanding (MOU's)

To strengthen interaction with industries and to keep our students updated with the latest trends, the department has entered into an agreement (MOU) with the following organizations:

Table No. 2.14 (Memoranda of Understanding)

2020-21	
S. No.	Name of Organization
1.	Imperial Medical Hall, Jalandhar
2.	Deepali Enterprises Pvt Ltd, Jalandhar
3.	Sai Ram Medicase, Jalandhar
4.	Sri Guru Teg Bahadur Medical Hall, Kala Bakra ,Jalandhar
5.	Puri Medical Hall , Jalandhar
6.	Bedi Medical Hall, Banga(S.B.S Nagar)
7.	Sood Medical Hall, Plahi Distt. Kapurthala
8.	Public Medi Hut, Mehatpur , Jalandhar
9.	Kapania Medical Store, Pathankot road , Jalandhar
10.	Dr. Aggarwal Nakodar Chowk , Jalandhar

2021-22	
S. No.	Name of Organization
1.	Tagore Hospital & Heart Care Centre Pvt Ltd, Banda Bahadur Nagar, Jalandhar
2.	Dr. Vinay Malhotra, Bhargo Nagar, Jalandhar
3.	Walia Medical Store , Jalandhar
4.	Doaba Hospital Pvt Ltd. Nakodar Chowk, Jalandhar

2022-23	
S. No.	Name of Organisation
1.	Gee Enn Group, Dilkusha Market , Jalandhar
2.	Tuli Medical Store ,Tanda , Jalandhar
3.	Surjit Medical Store , Near Tagore Hospital , Jalandhar
4.	Bombay Medical Store, Kabir Nagar , Jalandhar
5.	Dayanand Ayurvedic College , Jalandhar
6.	D.A.V Institute of Physiotherapy & Rehabilitation, Jalandhar
7.	Sandeep Medical, Kamal Vihar , Jalandhar



Workshops/Seminars/ Conferences/ Guest Lectures

Seminars and guest lectures are conducted from time to time in which experts from various organizations are invited. Various workshops are conducted in collaboration with experts from hospitals to equip the students with concepts of first aid such as in cardiac arrest, choking and poisoning etc.

Table No. 2.15 (Workshops/Seminars/ Conferences/ Guest Lectures)

S. No	Title of the Event	Speaker	Address	Date
Session : 2022-23				
1.	Drug Addiction	Sh. Sundip Kumar	MCPC	12/08/22
1.	Myth And Symptoms of Monkey Pox	Dr. Tanveer Singh	PIMS	10/9/22
2.	Mental Health	Dr. Deepali Gul	PIMS	8/10/22
3.	Diabetic Patients and Cure	Dr M S Neki	PIMS	12/11/22
4.	BLS (Basic Life Support) workshop	Dr. Anuradha Bansal Dr. HS Bains, Dr. Jatinder Singh	PIMS	23/11/22
5.	BLS (Basic Life Support) workshop	Dr. Anuradha Bansal Dr. HS Bains, Dr. Navdeep Chhabra	PIMS	08/02/23
6.	Skin Diseases	Dr. RL Bassan	PIMS	11/03/23
7.	To Bridge the gap between Theory and Practical (Industry requirement)	Er. Tushar Jain	Basant Autotech. LLP	16/03/23
8.	Cyber Crime and Drug Awareness	Police Inspector	Punjab Police	24/03/23
9.	Life skills in Adolescence	Dr. Anuradha Bansal	PIMS	31/03/23



Table No. 2.16 (List of Events)

S. No	Title of the Event	Speaker	Address	Date
Session : 2021-22				
1.	Digital Eye strain	Dr. Yashi Bansal	PIMS	11/9/21
2.	Dandruff Treatment	Dr. RL Bassan	PIMS	9/10/21
3.	Green Diwali	Dr Sanjay Bansal	MCPC	1/11/21
4.	Pneumonia	Dr. Sandeep Soni	PIMS	13/11/21
5.	Worlds AIDS Day	Sh. Sundip Kumar	MCPC	30/11/21
6.	Skin Care in Winter	Dr. RL Bassan	PIMS	17/01/22
7.	Internet use on Teen Health and Remedial measures	Dr. Anuradha Bansal	PIMS	12/02/22
8.	Junk Food Slow motion Disaster	Dr. HS Bains	HOD, PIMS	24/3/22
9.	Drug De-addiction	Dr. Gaurav	Civil Hospital	13/4/22
10.	Hypertension	Dr. Anuradha Bansal	PIMS	14/5/22
S. No	Title of the Event	Speaker	Address	Date
Session : 2020-21				
1.	Stress Management	Dr. Himanshu Sareen	PIMS	25/07/20
2.	Life skills in college students	Dr. Anuradha Bansal	PIMS	29/08/20
3.	Eye Care in Covid	Dr. Seema Bandhu	PIMS	27/10/20
4.	Hazards of Mobile Radiations	Dr. Harvinder Kumar	PIMS	16/12/20
5.	Post Covid Blues (Stress Management)	Dr. Deepali Gul	PIMS	9/1/21
6.	Covid Testing (RTPCR)	Dr. Harish Dr. Loveleen	Civil Hospital	18/11/20
7.	Covid Testing (RTPCR)	Dr. Harish Dr. Loveleen	Civil Hospital	23/11/20
8.	Myth And Facts About Cancer	Dr. Archana Dutta	PIMS	4/2/21
9.	Corona Vaccination	Sh. Sundip Kumar	PIMS	23/3/21
10.	Dengue	Sh. Pankaj Gupta	MCPC	10/4/21
11.	Newer Strains of Corona virus and our Young Generations	Dr. Deepali Gul	PIMS	08/05/20 21
12.	Black Fungus	Sh. Sundip Kumar	MCPC	12/6/21



Table No. 2.17 (List of Workshops)

Workshop Conducted						
S. No	Type of Activity	Name of faculty	Title of Event	Year	Date	Place
1	BLS WORKSHOP	Dr. Anuradha Bansal , Dr. H.S Bains Dr. Jatinder Singh	Technique of CPR (Cardiac pulmonary resuscitation with the help of mannequins)	2021-2022	23 rd Nov 2022	Mehr Chand Polytechnic College, Jalandhar
2	BLS WORKSHOP	Dr. Anuradha Bansal Dr. H.S Bains	Technique of CPR (Cardiac pulmonary resuscitation with the help of mannequins)	2022-2023	8 th Feb 2023	Mehr Chand Polytechnic College, Jalandhar



BLS WORKSHOP



STUDENTS PRACTISING LIFE SAVING SKILLS AT BLS WORKSHOP

**2.5 Initiatives related to skill Development programs/industry internship/training/
Hospital Pharmacy (10) Institute Marks = 10**

Table No. 2.18 Initiatives related to Skill Development Programs

S. No	Initiatives	Implementation	Impact
1	Communication skills	We conduct activities like poster making competitions, debates, quizzes, Power Point Presentation etc.	These help students to improve their communication skills, logical thinking & reasoning. These also boost their confidence level.
2	Industry oriented Technical Skills (Manufacturing)	The students are taken for an industrial visit to pharmaceutical industries to witness and understand the various processes of manufacturing of the common dosage forms viz. tablets, capsules, liquid orals, Injectables, etc.	Students get real time training from production experts which will definitely help them in pursuing their carrier in the manufacturing field.
3	Clinical skills	After completion of two year diploma, students go for 500-hour hospital training at nearby Govt. Hospitals, ESIS hospitals. They get working knowledge of keeping records required by various Legislative Acts concerning the profession of pharmacy.	Students get a chance to become familiar with the various departments of health care system at Hospital level like Pharmacy, stocking of drugs & medical devices, inventory control procedures, handling of prescriptions, dispensing, patient counseling etc
4	Field visits	The students are taken in groups for field visit. Our field visits include visit to Effluent Treatment Plant, Orphanage & Elderly-Care-Home.	They witness and understand the activities of such centers/facilities from the perspectives of the topics discussed in theory and practical courses.
5	Hospital & Clinical Pharmacy services	The students are taken in groups to visit a Government / private healthcare facility.	Students are able to professionally handle the prescription. They can understand and witness the various hospital and clinical pharmacy services provided.



Training of students:

- During training, all the students are required to undergo training for at least 500 hours in Hospital. It includes training in Prescription handling, Dispensing of drugs, Stocking of drugs, Stocking of Medicinal devices, Inventory control procedures, Patient counseling, Emergency department, Post mortem department and blood bank. After completion, student shall submit the certificate duly signed by the authority of the training organization to the Head of the Institute.
- In addition to these regular Field visits, Industrial and Hospital visits are a part of curriculum for both years of D. Pharmacy students.
- Guest lecturers/ Webinars/ Workshops from eminent personalities from hospitals and industry are also conducted regularly for the benefit of students.
- An Industry Day is an event organized by the department on every second Saturday experts from industry / hospital are invited to interact with the students on recent developments. Sometimes, visit of students to related industry/ hospital is also arranged.
- To provide real-world experience to the students, the students are taken in group for field visits such as manufacturing of different dosage forms like manufacturing of Tablets, Capsules and Syrups etc. They are also made to visit places such as garbage treatment plant, sewage treatment plant, effluent treatment plant, orphanage, Elderly-care-home and Primary health care centers.

CERTIFICATE COURSE: INTERNAL RESOURCE GENERATION (IRG)

For upgradation of students' knowledge in Pharmacy field, a three months IRG course has been conducted in Pharmacy department on **"Pharmaceutical Marketing"**. Certificates have been issued to the students who successfully completed the course.



Self-Assessment for Criterion 02

S.No.	Assessment Parameters	Marks	
		Prescribed	Institute
2	Teaching –Learning Processes	50	50
2.1	Delivery of Syllabus Contents and compliance of the curriculum	05	05
2.2	Adherence to Academic Calendar	10	10
2.3	Initiatives in teaching and learning process	15	15
2.4	Initiatives related to Hospital & other related interactions	10	10
2.5	Initiatives related to skill Development programs/industry internship/training/ Hospital Pharmacy	10	10
Total Marks		50	50
Percentage		100 %	



CRITERION 3	Course Outcomes (COs) and Program Outcomes (POs)	60
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**3.1 Establish the correlation between the courses and the Program Outcomes (20)
Program Outcomes for D. Pharmacy as per NBA Annexure 01**

(Institute Marks = 20)

1. **Pharmacy Knowledge:** Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy.
2. **Modern tool usage:** Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.
3. **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.
4. **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).
5. **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).
6. **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.
7. **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.
8. **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.
9. **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 the needs on an ongoing basis.



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

(Institute Marks = 05)

Table No. 3.1 (Course Outcomes)

D.PHARMACY 1st YEAR COURSE NAME: SOCIAL PHARMACY (THEORY)	
Course Code ER20-15T	COURSE OUTCOMES
15T.1	Explain public health and national health programs.
15T.2	Understand the preventive healthcare.
15T.3	Study Food and nutrition related health issues.
15T.4	Study health education and health promotion.
15T.5	Understand general roles and responsibilities of pharmacists in public health.
15T.6	Describe various sources of health hazards and disease preventive measures.

Table No. 3.2 (Course Outcomes)

D.PHARMACY 2nd YEAR COURSE NAME: HOSPITAL AND CLINICAL PHARMACY (THEORY)	
Course Code ER20-25T	COURSE OUTCOMES
25T.1	Explain about the basic concepts of hospital pharmacy administration.
25T.2	Manage the supply chain and distribution of medicines within the hospital settings.
25T.3	Understand compounding in hospital, Total Parenteral nutrition.
25T.4	Assist other healthcare providers in monitoring drug therapy and address drug related problems.
25T.5	Interpret common lab investigation reports for optimizing drug therapy.
25T.6	Study Drug and Poison information centre and their services.



3.1.2 CO-PO matrices of courses selected in 3.1.1

Two matrices to be mentioned; one per year from 1st & 2nd) (05)

(Institute Marks = 05)

**D. PHARMACY 1ST YEAR
SOCIAL PHARMACY (THEORY)**

Table No. 3.3(CO-PO Matrix)

Course Code ER20-15T	Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
1.	15T.1	3	-	2	3	2	3	3	2	3
2.	15T.2	3	-	2	3	2	3	3	1	2
3.	15T.3	3	-	1	3	2	2	3	2	2
4.	15T.4	3	-	3	3	2	3	3	1	1
5.	15T.5	3	2	3	3	2	2	3	-	3
6.	15T.6	3	-	1	3	2	2	3	3	2
Average		3	2	2.1	3	2	2.5	3	1.8	2.1

**D. PHARMACY 2ND YEAR
HOSPITAL AND CLINICAL PHARMACY (THEORY)**

Table No. 3.4 (CO-PO Matrix)

Course Code ER20-25T	Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
1.	25T.1	3	-	-	3	-	-	-	-	3
2.	25T.2	3	2	2	3	3	1	3	-	2
3.	25T.3	3	3	-	3	2	1	-	-	3
4.	25T.4	3	2	2	3	3	2	-	-	2
5.	25T.5	3	3	-	3	2	2	-	-	2
6.	25T.6	3	-	-	3	2	2	2	1	3
Average		3	2.5	2	3	2.4	1.6	2.5	1	2.5



3.1.3. CO-PO matrix of courses for all two years of study (10)

(Institute Marks = 10)

(2020-2021)

D. Pharmacy First Year
Table No. 3.5 (CO-PO Matrix)

Course Code	Subject	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
1981	Pharmaceutics I-Theory	3	3	-	3	2.5	3	2	1	1.25
1982	Pharmaceutical Chemistry I-Theory	3	-	-	2.5	2	-	2.16	-	2
1983	Pharmacognosy-Theory	2.6	-	2	2	2.33	2	2	2	2
1984	Biochemistry & Clinical Pathology-Theory	2.5	3	2.5	2.4	2.25	2.75	2.8	2.83	2.83
1985	Human Anatomy & Physiology - Theory	3	2	2.25	3	3	2.6	3	2.4	3
1986	Health Education & Community Pharmacy-Theory	3	-	1.8	2	2	3	3	3	3
1991	Pharmaceutics-I Practical	3	-	-	3	1	3	3	2.6	1.6
1992	Pharmaceutical Chemistry-II Practical	3	2	-	2.5	2	-	2	1	2
1993	Pharmacognosy-Practical	3	2.5	2	2.6	2.5	2.16	2	2	2
1994	Biochemistry & Clinical Pathology-Practical	2.5	1.3	2	1.4	2.3	1.1	2	2	1.83
1995	Human Anatomy & Physiology Practical	3	2	2.8	2.8	3	2.8	3	3	3



(2020-2021)

D. Pharmacy Second Year**Table No. 3.6(CO-PO Matrix)**

Course Code	Subject	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
2001	Pharmaceutics II- Theory	3	3	-	3	2.5	3	2	1	1.25
2002	Pharmaceutical Chemistry II- Theory	3	-	-	2.3	1	2.6	2.6	2	1.8
2003	Pharmacology-Theory	3	2	2.6	3	3	3	3	3	3
2004	Hospital & Clinical Pharmacy - Theory	3	2.5	2	3	2.4	1.6	2.5	1	2.5
2005	Pharmaceutical Jurisprudence	2.16	-	2	2.16	2.66	2	2	2	2
2006	Drug Store & Business Management-Theory	2	-	2.75	2	3	3	-	-	1
2011	Pharmaceutics II- Practical	3	-	-	3	1.1	1.3	1.5	1.5	1.3
2012	Pharmaceutical Chemistry II- Practical	2.3	2	2	2.5	2.3	2.16	2.16	2.16	2
2013	Pharmacology-Practical	3	2.2	3	3	3	3	3	2.4	3
2014	Hospital & Clinical Pharmacy-Practical	3	2.5	-	2.5	-	-	2.4	-	-



CO-PO matrix of courses for session (2021-2022)

D. Pharmacy First Year

Table No. 3.7 (CO-PO matrix)

Course Code	Subject	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
ER20-11T	Pharmaceutics - Theory	3	3	-	3	2.5	3	2	1	1.25
ER20-12T	Pharmaceutical Chemistry-Theory	3	2.7	-	2.8	1.6	-	2	2	2.67
ER20-13T	Pharmacognosy - Theory	2.6	-	2	2	2.33	2	2	2	2
ER20-14T	Human Anatomy & Physiology-Theory	3	2	2.25	3	3	2.6	3	2.4	3
ER20-15T	Social Pharmacy-Theory	3	2	2.1	3	2	2.5	3	1.8	2.1
ER20-11P	Pharmaceutics - Practical	3	1.5	-	3	1	2	2	1.8	3
ER20-12P	Pharmaceutical Chemistry-Practical	3	2	-	3	-	-	2	2	2
ER20-13P	Pharmacognosy - Practical	3	2.5	2	2.6	2.5	2.16	2	2	2
ER20-14P	Human Anatomy & Physiology-Practical	3	2	2.8	2.8	3	2.8	3	3	3
ER20-15P	Social Pharmacy-Practical	3	2	3	2.1	1.25	3	2.6	2.3	3



(2021-2022)

D. Pharmacy Second Year**Table No. 3.8 (CO-PO matrix)**

Course Code	Subject	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
2001	Pharmaceutics II- Theory	3	3	-	3	2.5	3	2	1	1.25
2002	Pharmaceutical Chemistry II- Theory	3	-	-	2.3	1	2.6	2.6	2	1.8
2003	Pharmacology-Theory	3	2	2.6	3	3	3	3	3	3
2004	Hospital & Clinical Pharmacy - Theory	3	2.5	2	3	2.4	1.6	2.5	1	2.5
2005	Pharmaceutical Jurisprudence	2.16	-	2	2.16	2.66	2	2	2	2
2006	Drug Store & Business Management-Theory	2	-	2.75	2	3	3	-	-	1
2011	Pharmaceutics II- Practical	3	-	-	3	1.1	1.3	1.5	1.5	1.3
2012	Pharmaceutical Chemistry II- Practical	2.3	2	2	2.5	2.3	2.16	2.16	2.16	2
2013	Pharmacology-Practical	3	2.2	3	3	3	3	3	2.4	3
2014	Hospital & Clinical Pharmacy-Practical	3	2.5	-	2.5	-	-	2.4	-	-



3.1.3. Course-PO matrix of courses for all two years of study (2022-2023)**D. Pharmacy First Year****Table No. 3.9 (CO-PO matrix)**

Course Code	Subject	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
ER20-11T	Pharmaceutics - Theory	3	3	-	3	2.5	3	2	1	1.25
ER20-12T	Pharmaceutical Chemistry-Theory	3	2.7	-	2.8	1.6	-	2	2	2.67
ER20-13T	Pharmacognosy - Theory	2.6	-	2	2	2.33	2	2	2	2
ER20-14T	Human Anatomy & Physiology-Theory	3	2	2.25	3	3	2.6	3	2.4	3
ER20-15T	Social Pharmacy-Theory	3	2	2.1	3	2	2.5	3	1.8	2.1
ER20-11P	Pharmaceutics - Practical	3	1.5	-	3	1	2	2	1.8	3
ER20-12P	Pharmaceutical Chemistry-Practical	3	2	-	3	-	-	2	2	2
ER20-13P	Pharmacognosy - Practical	3	2.5	2	2.6	2.5	2.16	2	2	2
ER20-14P	Human Anatomy & Physiology-Practical	3	2	2.8	2.8	3	2.8	3	3	3
ER20-15P	Social Pharmacy-Practical	3	2	3	2.1	1.25	3	2.6	2.3	3



D. Pharmacy Second Year (2022-2023)**Table No. 3.10 (CO-PO matrix)**

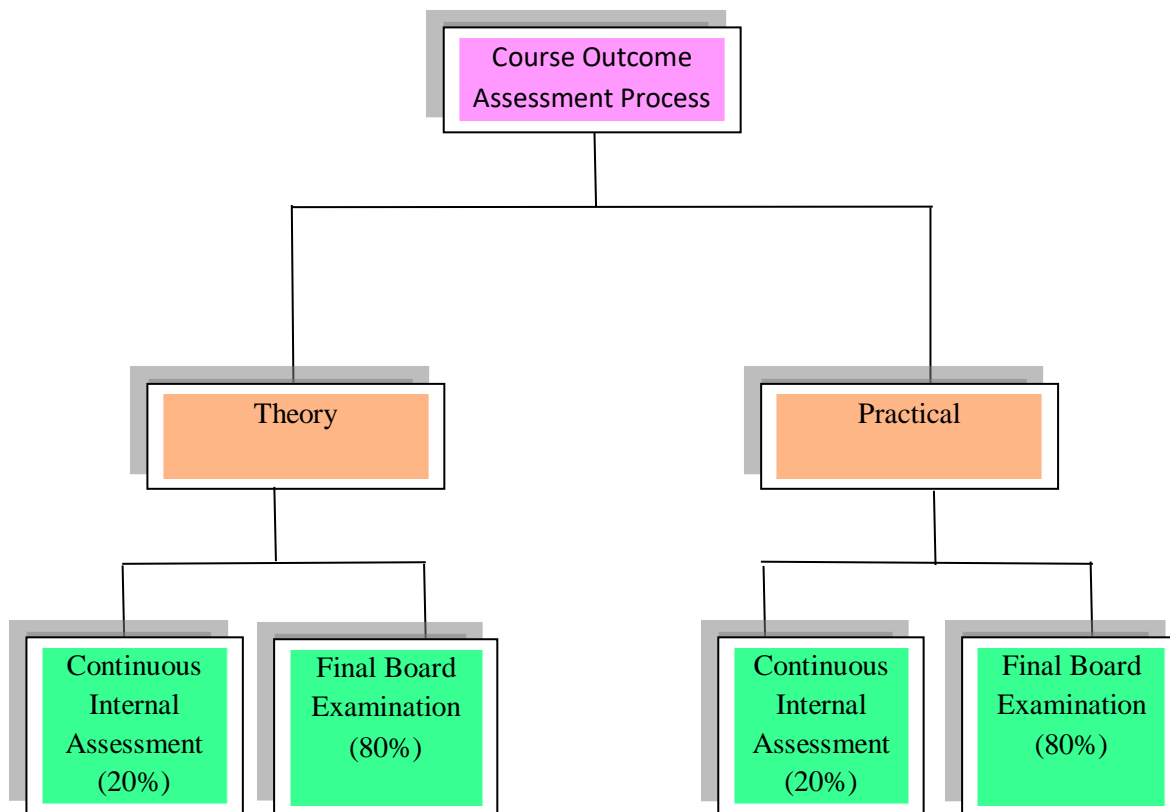
Course Code	Subject	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
ER20-21T	Pharmacology-Theory	3	2	2.6	3	3	3	3	3	3
ER20-22T	Community Pharmacy & Management-Theory	3	2	1	2.83	2	3	3	2.5	2.75
ER20-23T	Biochemistry & Clinical Pathology- Theory	2.5	3	2.5	2.4	2.25	2.75	2.8	2.83	2.83
ER20-24T	Pharmacotherapeutics - Theory	3	-	1.1	3	1	2	2.6	2	2.6
ER20-25T	Hospital & Clinical Pharmacy- Theory	3	2.5	2	3	2.4	1.6	2.5	1	2.5
ER20-26T	Pharmacy Law & Ethics	2.16	0	2	2.16	2.66	2	2	2	2
ER20-21P	Pharmacology-Practical	3	2.2	3	3	3	3	3	2.4	3
ER20-22P	Community Pharmacy & Management-Practical	2.16	2	2	2	3	2	2	2	2
ER20-23P	Biochemistry & Clinical Pathology- Practical	2.5	1.3	2	1.4	2.3	1.1	2	2	1.83
ER20-24P	Pharmacotherapeutics - Practical	3	0	2	3	1.3	2.3	2.3	2	1.6
ER20-25P	Hospital & Clinical Pharmacy- Practical	3	2.5	-	2.5	-	-	2.4	-	-



3.2 Attainment of Course Outcomes (20)**(Institute Marks = 20)****3.2.1. Describe the assessment processes used to gather the data upon which the evaluation of Course Outcome is based (10) (Institute Marks = 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 year end (final) examination evaluation.
- Attainment levels are set for both continuous internal evaluation and year end examination evaluation.
- The continuous internal assessment for theory courses consists of mid sessional examination and continuous mode of evaluation (Attendance, Academic activity and student-teacher interaction). Assessment of practical course is based upon mid –term sessional examination and continuous mode of evaluation (Attendance, Practical record and regular viva-voce), assignment, field visit.
- After fair and transparent examinations and evaluation, number of students are computed who secured more marks than set target level.
- Percentage of students obtaining more than target level is calculated against number of students appeared in the exam.
- Attainment level is assigned according to the percentage of students securing more than set marks.
- Same procedure is followed for assessment of course outcome attainment level of final year examinations.
- The level of attainments is reset every year on the basis of previous results/ attainments.
- Final assessment of course outcome is the addition of 20% of internal assessment attainment level and 80% year end assessment attainment level.





Assessment is done at two levels: Internal assessment examination by the college and final examination conducted by the PSBTE. For internal examinations the task of paper setting is entrusted to the teaching faculty. They follow the standard format prescribed by PSBTE for question paper setting.

Evaluation of theory examinations

Sessional Examinations

There are two or more sessional (internal assessment) examinations during each academic year. The duration of the sessional exam is 90 minutes. The scheme of the question paper for theory sessional examinations is as given below.

- I. Long Answers (Answer 3 out of 4) $3 \times 5 = 15$
- II. Short Answers (Answer 5 out of 6) $5 \times 3 = 15$
- III. Objective type Answers (Answer all 10 out of 10) $10 \times 1 = 10$
(Multiple Choice Questions / Fill-in the Blanks /
One word OR one Sentence questions)

Total = 40 marks



Internal assessment: The marks secured by the students out of the total 40 are reduced to 20 in each sessional, and then the internal assessment is calculated based on the best two averages for 20 marks.

Final Board / Examinations

The scheme of the question paper for the theory examinations conducted by PSBTE is as given below. The duration of the final examination is 3 hours.

- I. Long Answers (Answer 6 out of 7) = $6 \times 5 = 30$
- II. Short Answers (Answer 10 out of 11) = $10 \times 3 = 30$
- III. Objective type Answers (Answer all 20) = $20 \times 1 = 20$

(Multiple Choice Questions / Fill-in the Blanks /One word OR one Sentence questions)

Total = 80 marks

Evaluation of practical examinations

Sessional Examinations

There are two or more sessional (internal assessment) practical examinations during each academic year. The duration of the sessional exam is three hours. The scheme of the question paper for practical sessional examinations is as given below.

- I. Synopsis = 10
- II. Experiments = 50*
- III. Viva voce = 10
- IV. Practical Record Maintenance = 10

Total = 80 marks



Internal assessment: The marks secured by the students out of the total of 80 shall be reduced to 10 in each sessional, and then the internal assessment is calculated based on the best two averages for 10 marks from the sessional and other 10 marks are awarded as per the details given below.

Actual performance in the sessional examination = 10 marks

Assignment marks (Average of three) = 5 marks*

Field Visit Report marks (Average for the reports) = 5 marks\$

Total = 20 marks

Final Board / University Examinations

The scheme of the question paper for the practical examinations conducted by the examining authority (Board / University) is as given below. The duration of the final examination is 3 hours.

I. Synopsis = 10

II. Experiments = 60*

III. Viva voce = 10

Total = 80 marks

The marks for the experiments are divided into various categories, viz. major experiment, minor experiment, spotters, etc. as per the requirement of the course.

- Criteria for passing: Candidates securing minimum 40% marks in theory as well as in practical examination (including internal assessment) are considered pass in that course. Theory and practical are considered as individual courses for the purpose of pass criteria.

Assignments:

The purpose of the assignments is to encourage the students for self-directed learning. The assignments provoke critical thinking; enhance the skills such as literature survey, data interpretation, report formatting, time-management, and writing skills. This is also a mode of self-assessment for the student about the level of understanding of the concepts of a particular course. The assignments are evaluated against a set of criteria. A typical format for the assessment of an assignment is given in **Appendix -1**.



Appendix-1

A typical format for the assessment of Assignment

Name of the college:

Name of the Student:	
Academic Year of the Student:	
Name of the Subject:	
Title of the Assignment:	
Date on which the Assignment was given:	
Date on which the Assignment was submitted:	
Name & Designation of the Evaluator:	
Signature of the Evaluator with Date:	

Directions: For evaluation, enter rating of the student utilizing the following scale:5–Excellent; 4-VeryGood;3 – Good;2 – Satisfactory 1 Poor

Assessment Criteria	Score	Comments if any
a. Relevance with the content		
b. Use of resource material		
c. Organization & mechanical accuracy		
d. Cohesion & coherence		
e. Language proficiency & Timely submission		
Total Score		

Signature of the Student with Date:



Field Visits:

The purpose of field visits is to provide a real-world experience to the students. The field visits help them to apply knowledge that they have learnt in the classroom / laboratory and can help them to solve the problems they see in the world around them. Every student submits a report describing their objectives, experience, learning points, etc. pertaining to the field trip, in the format given in **Appendix-2**.

Appendix-2**A typical format for the assessment of Field Visit**

Name of the Student:	
Academic Year of the Student:	
Name of the Subject:	
Name & full address of the organization visited:	
Date and Duration of Visit:	
Name & Designation of the Evaluator:	
Signature of the Evaluator with Date:	

Objectives set for the field visit: (give 2–4 objectives one by one)
Prior preparation of the student for the field visit: (minimum 100 words)
Describe the general experiences during the field visit: (minimum 100 words)
Learning points: Describe what theoretical concept that is correlated during the field visit: (minimum 300 words)

Signature of the Student with Date:



3.2.2 Record the attainment of Course outcomes of all courses with respect to set attainment levels (10) (Institute Marks = 10)

Table No. 3.11 Target percentage set for different sessions:

Session	Final Board Examination	Internal Assessment
2019- 20	40%	45%
2020-21	45%	50%
2021-22	45%	50%

Attainment levels for Final Board Examination

Attainment Level 1: **60%** students scoring more than set target percentage in the final board examination is considered to be attainment of “Level 1”

Attainment Level 1: **70%** students scoring more than set target percentage in the final board examination is considered to be attainment of “Level 2”

Attainment Level 1: **80%** students scoring more than set target percentage in the final board examination is considered to be attainment of “Level 3”

Attainment level for Internal Assessment:

Attainment Level 1: **60%** students scoring more than set target percentage is considered to be attainment of “Level 1”.

Attainment Level 1: **70%** students scoring more than set target percentage is considered to be attainment of “Level 2”.

Attainment Level 1: **80%** students scoring more than set target percentage is considered to be attainment of “Level 3”.

Weightage : 80% weightage is given to Board examination and 20% weightage to internal assessment.



2019-20

Table No. 3.12 (CO Attainment)

Subject Code	Subject	INTERNAL EXAM					BOARD EXAM					CO
		No. of students Appeared	No. of students who secured more than 45% Marks	Percentage of students	Attainment	Weightage	No. of students	No. of students who Secured more than 40%	Percentage of students	Attainment	Weightage	
1981	Pharmaceutics I – Theory	59	55	93	3	0.6	59	56	94	3	2.4	3
1982	Pharmaceutical Chemistry I- Theory	59	56	94	3	0.6	59	58	98	3	2.4	3
1983	Pharmacognosy- Theory	59	58	98	3	0.6	59	58	98	3	2.4	3
1984	Biochemistry & Clinical Pathology- Theory	59	58	98	3	0.6	59	58	98	3	2.4	3
1985	Human Anatomy & Physiology- Theory	59	58	98	3	0.6	59	57	96	3	2.4	3
1986	Health Education & Community Pharmacy	59	58	98	3	0.6	59	58	98	3	2.4	3
1991	Pharmaceutics I- Practical	59	58	98	3	0.6	59	58	98	3	2.4	3
1992	Pharmaceutical Chemistry I- Practical	59	57	96	3	0.6	59	58	98	3	2.4	3
1993	Pharmacognosy- Practical	59	57	96	3	0.6	59	58	98	3	2.4	3
1994	Biochemistry & Clinical Pathology- Practical	59	57	96	3	0.6	59	58	98	3	2.4	3
1995	Human Anatomy & Physiology- Practical	59	58	98	3	0.6	59	58	98	3	2.4	3
2001	Pharmaceutics II- Theory	58	56	96	3	0.6	58	58	100	3	2.4	3
2002	Pharmaceutical Chemistry II- Theory	58	56	96	3	0.6	58	58	100	3	2.4	3
2003	Pharmacology- Theory	58	56	96	3	0.6	58	58	100	3	2.4	3
2004	Hospital & Clinical Pharmacy - Theory	58	54	93	3	0.6	58	58	100	3	2.4	3
2005	Pharmaceutical Jurisprudence	58	57	98	3	0.6	58	57	98	3	2.4	3
2006	Drug Store & Business Management- Theory	58	56	96	3	0.6	58	58	100	3	2.4	3
2011	Pharmaceutics II- Practical	58	58	100	3	0.6	58	58	100	3	2.4	3
2012	Pharmaceutical Chemistry II- Practical	58	58	100	3	0.6	58	58	100	3	2.4	3
2013	Pharmacology- Practical	58	58	100	3	0.6	58	58	100	3	2.4	3
2014	Hospital & Clinical Pharmacy- Practical	58	58	100	3	0.6	58	58	100	3	2.4	3



2020-21

Table No. 3.13 (CO Attainment)

Subject Code	Subject	INTERNAL EXAM					BOARD EXAM					CO Attainment
		No. of students Appeared	No. of students who secured more than 50% Marks	Percentage of students	Attainment	Weightage	No. of students	No. of students who Secured more than 45%	Percentage of students	Attainment	Weightage	
1981	Pharmaceutics I – Theory	60	58	96	3	0.6	60	43	71	2	1.6	2.2
1982	Pharmaceutical Chemistry I- Theory	60	57	95	3	0.6	60	56	93	3	2.4	3
1983	Pharmacognosy- Theory	60	58	96	3	0.6	60	55	91	3	2.4	3
1984	Biochemistry & Clinical Pathology- Theory	60	57	95	3	0.6	60	55	91	3	2.4	3
1985	Human Anatomy & Physiology- Theory	60	58	96	3	0.6	60	57	95	3	2.4	3
1986	Health Education & Community Pharmacy	60	57	95	3	0.6	60	57	95	3	2.4	3
1991	Pharmaceutics I- Practical	60	58	96	3	0.6	60	58	96	3	2.4	3
1992	Pharmaceutical Chemistry I- Practical	60	58	96	3	0.6	60	58	96	3	2.4	3
1993	Pharmacognosy- Practical	60	58	96	3	0.6	60	58	96	3	2.4	3
1994	Biochemistry & Clinical Pathology- Practical	60	58	96	3	0.6	60	58	96	3	2.4	3
1995	Human Anatomy & Physiology- Practical	60	58	96	3	0.6	60	58	96	3	2.4	3
2001	Pharmaceutics II- Theory	59	58	98	3	0.6	59	56	94	3	2.4	3
2002	Pharmaceutical Chemistry II- Theory	59	57	96	3	0.6	59	58	98	3	2.4	3
2003	Pharmacology- Theory	59	59	100	3	0.6	59	59	100	3	2.4	3
2004	Hospital & Clinical Pharmacy - Theory	59	59	100	3	0.6	59	58	98	3	2.4	3
2005	Pharmaceutical Jurisprudence	59	59	100	3	0.6	59	48	81	3	2.4	3
2006	Drug Store & Business Management- Theory	59	58	98	3	0.6	59	56	94	3	2.4	3
2011	Pharmaceutics II- Practical	59	59	100	3	0.6	59	59	100	3	2.4	3
2012	Pharmaceutical Chemistry II- Practical	59	58	98	3	0.6	59	59	100	3	2.4	3
2013	Pharmacology- Practical	59	59	100	3	0.6	59	59	100	3	2.4	3
2014	Hospital & Clinical Pharmacy- Practical	59	58	98	3	0.6	59	59	100	3	2.4	3



2021-22

Table No. 3.14 (CO Attainment)

Subject Code	Subject	INTERNAL EXAM					BOARD EXAM					CO
		No. of students Appeared	No. of students who secured more than 50% Marks	Percentage of students	Attainment	Weightage	No. of students	No. of students who Secured more than 45%	Percentage of students	Attainment	Weightage	Attainment
ER20-11T	Pharmaceutics - Theory	61	49	80.3	3	0.6	61	43	70	2	1.6	2.2
ER20-12T	Pharmaceutical Chemistry- Theory	61	41	67.2	1	0.2	61	50	81.9	3	2.4	2.6
ER20-13T	Pharmacognosy- Theory	61	50	81.96	3	0.6	61	17	27.8	0	0	0.6
ER20-14T	Human Anatomy & Physiology- Theory	61	50	81.96	3	0.6	61	48	78.6	2	1.6	2.2
ER20-15T	Social Pharmacy- Theory	61	49	80.3	3	0.6	61	29	47.5	0	0	0.6
ER20-11P	Pharmaceutics - Practical	61	57	93.4	3	0.6	61	57	93.4	3	2.4	3
ER20-12P	Pharmaceutical Chemistry- Practical	61	55	90.1	3	0.6	61	58	95	3	2.4	3
ER20-13P	Pharmacognosy- Practical	61	56	91.8	3	0.6	61	58	95	3	2.4	3
ER20-14P	Human Anatomy & Physiology- Practical	61	56	91.8	3	0.6	61	58	95	3	2.4	3
ER20-15P	Social Pharmacy- Practical	61	57	93.4	3	0.6	61	58	95	3	2.4	3
2001	Pharmaceutics II- Theory	56	47	83.9	3	0.6	56	43	76.7	2	1.6	2.2
2002	Pharmaceutical Chemistry II- Theory	56	40	71.4	2	0.4	56	30	53.5	0	0	0.4
2003	Pharmacology- Theory	56	42	75	2	0.4	56	14	25	0	0	0.4
2004	Hospital & Clinical Pharmacy - Theory	56	41	73.2	2	0.4	56	40	71.4	2	1.6	2
2005	Pharmaceutical Jurisprudence	56	50	89.2	3	0.6	56	41	73.2	2	1.6	2.2
2006	Drug Store & Business Management- Theory	56	50	89.2	3	0.6	56	44	78.5	2	1.6	2.2
2011	Pharmaceutics II- Practical	56	54	96.4	3	0.6	56	54	96.4	3	2.4	3
2012	Pharmaceutical Chemistry II- Practical	56	51	91.0	3	0.6	56	54	96.4	3	2.4	3
2013	Pharmacology- Practical	56	53	94.6	3	0.6	56	54	96.4	3	2.4	3
2014	Hospital & Clinical Pharmacy- Practical	56	54	96.4	3	0.6	56	54	96.4	3	2.4	3



3.3 Attainment of Program Outcome (20)

(Institute Marks = 18)

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

(Institute Marks = 10)

The following are the assessment tools:

(A) Direct Assessment Tool:

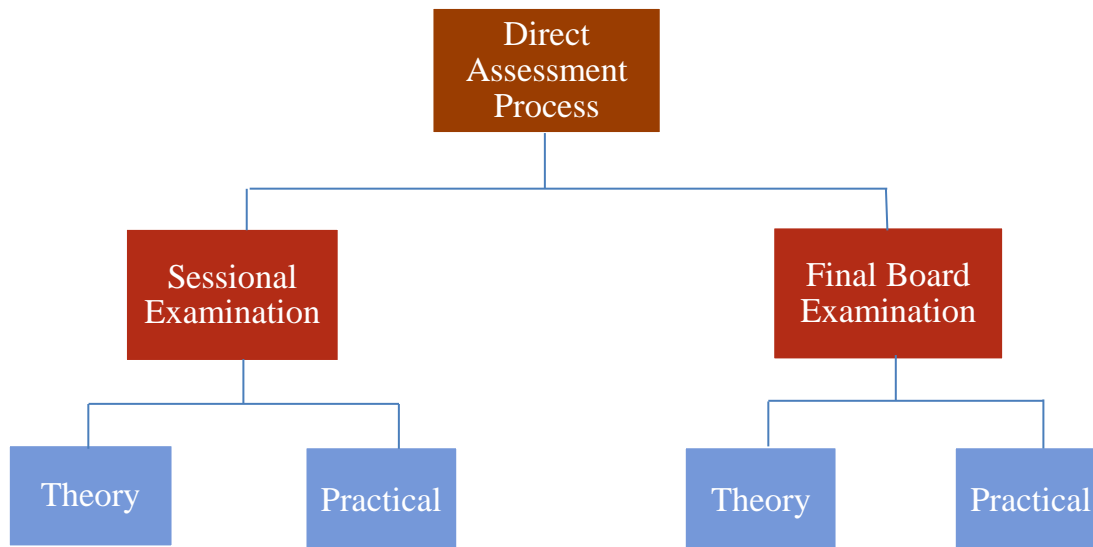
The various assessment tools used to assess the PO attainment level are as following:

a) Sessional Examination:

The students are assessed on the basis of understanding of fundamental concepts, analytical thinking and planning abilities.

b) Final Board Examination:

The students are assessed for accomplishment of fundamental concepts of knowledge, planning abilities, practical skills and expression of knowledge gained.

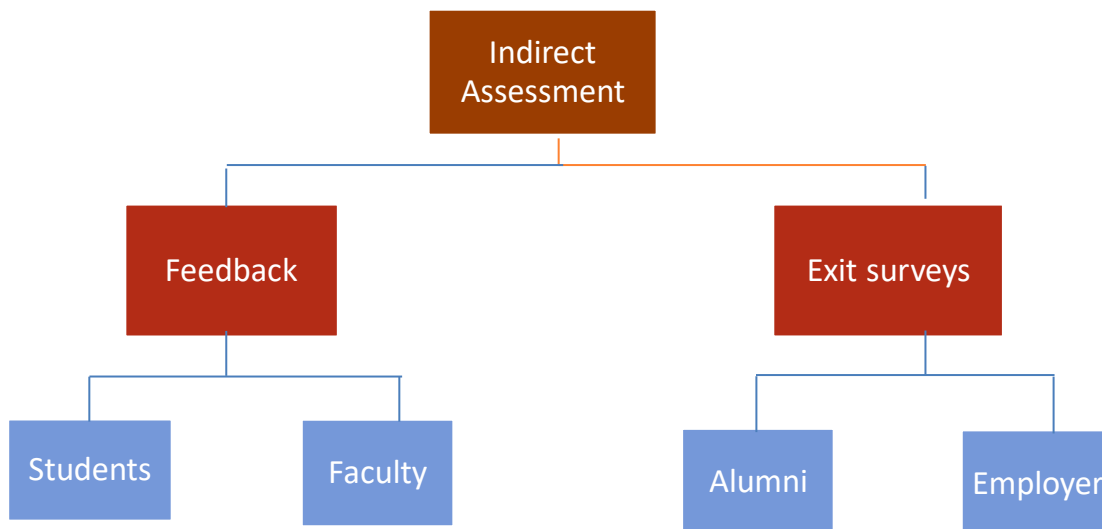


(B) Indirect Assessment Tools:

The tools for indirect assessment are broadly classified as follows:

- a) **Student Feedback:** Students are major stakeholders to provide feedback on quality of education provided by the institution. Outgoing students are asked to provide feedback on a form comprising details of skill imbibed by them. This is a direct evidence for assessing successful and appropriate implementation of curriculum.
- b) **Faculty Feedback:** Faculty are another important stakeholders to cherish many aspirations for the holistic development of their students. The teachers are the best evaluators of the students that how much they gain from studies and complete the program outcomes.
- c) **Alumni Feedback:** Alumni of the college are important evaluators to provide feedback and contribute for quality enhancement.
- d) **Employer Feedback:** Employers are the best feedback provider to the institution about their students.

Feedback form for students, alumni, faculty and employer are attached herewith as Annexure 1 and Annexure II



3.3.2 Provide results of evaluation of each PO (10) (Institute Marks = 08)

Table No. 3.15 Direct Assessment (2019-20)

Course Code	Subject	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
1981	Pharmaceutics I – Theory	3	3	-	3	2.5	3	2	1	1.25
1982	Pharmaceutical Chemistry I- Theory	3	-	-	2.5	2	-	2.16	-	2
1983	Pharmacognosy- Theory	2.6	-	2	2	2.33	2	2	2	2
1984	Biochemistry & Clinical Pathology- Theory	2.5	3	2.5	2.4	2.25	2.75	2.8	2.83	2.83
1985	Human Anatomy & Physiology- Theory	3	2	2.25	3	3	2.6	3	2.4	3
1986	Health Education & Community Pharmacy	3	-	1.8	2	2	3	3	3	3
1991	Pharmaceutics I- Practical	3	-	-	3	1	3	3	2.6	1.6
1992	Pharmaceutical Chemistry I- Practical	3	2	-	2.5	2	-	2	1	2
1993	Pharmacognosy- Practical	3	2.5	2	2.6	2.5	2.16	2	2	2
1994	Biochemistry & Clinical Pathology- Practical	2.5	1.3	2	1.4	2.3	1.1	2	2	1.83
1995	Human Anatomy & Physiology- Practical	3	2	2.8	2.8	3	2.8	3	3	3
2001	Pharmaceutics II- Theory	3	3	-	3	2.5	3	2	1	1.25
2002	Pharmaceutical Chemistry II- Theory	3	-	-	2.3	1	2.6	2.6	2	1.8
2003	Pharmacology- Theory	3	2	2.6	3	3	3	3	3	3
2004	Hospital & Clinical Pharmacy - Theory	3	2.5	2	3	2.4	1.6	2.5	1	2.5
2005	Pharmaceutical Jurisprudence	2.16	-	2	2.16	2.66	2	2	2	2
2006	Drug Store & Business Management- Theory	2	-	2.75	2	3	3	-	-	1
2011	Pharmaceutics II- Practical	3	-	-	3	1.1	1.3	1.5	1.5	1.3
2012	Pharmaceutical Chemistry II- Practical	2.3	2	2	2.5	2.3	2.16	2.16	2.16	2
2013	Pharmacology- Practical	3	2.2	3	3	3	3	3	2.4	3
2014	Hospital & Clinical Pharmacy - Practical	3	2.5	-	2.5	-	-	2.4	-	-
AVERAGE		2.81	2.30	2.28	2.55	2.34	2.44	2.40	1.91	2.11



3.3.2 Provide results of evaluation of each PO

Table No. 3.16 Direct Assessment (2020-21)

Course Code	Subject	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
1981	Pharmaceutics I – Theory	2.2	2.2	-	2.2	1.8	2.2	1.47	0.73	0.9
1982	Pharmaceutical Chemistry I- Theory	3	-	-	2.5	2	-	2.16	-	2
1983	Pharmacognosy- Theory	2.6	-	2	2	2.33	2	2	2	2
1984	Biochemistry & Clinical Pathology- Theory	2.5	3	2.5	2.4	2.25	2.75	2.8	2.83	2.83
1985	Human Anatomy & Physiology- Theory	3	2	2.25	3	3	2.6	3	2.4	3
1986	Health Education & Community Pharmacy	3	-	1.8	2	2	3	3	3	3
1991	Pharmaceutics I- Practical	3	-	-	3	1	3	3	2.6	1.6
1992	Pharmaceutical Chemistry I- Practical	3	2	-	2.5	2	-	2	1	2
1993	Pharmacognosy- Practical	3	2.5	2	2.6	2.5	2.16	2	2	2
1994	Biochemistry & Clinical Pathology- Practical	2.5	1.3	2	1.4	2.3	1.1	2	2	1.83
1995	Human Anatomy & Physiology- Practical	3	2	2.8	2.8	3	2.8	3	3	3
2001	Pharmaceutics II- Theory	3	3	-	3	2.5	3	2	1	1.25
2002	Pharmaceutical Chemistry II- Theory	3	-	-	2.3	1	2.6	2.6	2	1.8
2003	Pharmacology- Theory	3	2	2.6	3	3	3	3	3	3
2004	Hospital & Clinical Pharmacy - Theory	3	2.5	2	3	2.4	1.6	2.5	1	2.5
2005	Pharmaceutical Jurisprudence	2.16	-	2	2.16	2.66	2	2	2	2
2006	Drug Store & Business Management- Theory	2	-	2.75	2	3	3	-	-	1
2011	Pharmaceutics II- Practical	3	-	-	3	1.1	1.3	1.5	1.5	1.3
2012	Pharmaceutical Chemistry II- Practical	2.3	2	2	2.5	2.3	2.16	2.16	2.16	2
2013	Pharmacology- Practical	3	2.2	3	3	3	3	3	2.4	3
2014	Hospital & Clinical Pharmacy - Practical	3	2.5	-	2.5	-	-	2.4	-	-
AVERAGE		2.77	2.24	2.28	2.51	2.25	2.40	2.37	2.03	2.10



3.3.2 Provide results of evaluation of each PO

Table No. 3.17 Direct Assessment (2021-22)

Course Code	Subject	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
ER20-11T	Pharmaceutics - Theory	2.2	2.2	-	2.2	1.83	2.2	1.47	0.73	0.9
ER20-12T	Pharmaceutical Chemistry- Theory	2.6	2.34	-	2.42	1.38	-	1.73	1.73	2.25
ER20-13T	Pharmacognosy-Theory	0.52	-	0.4	0.4	0.46	0.4	0.4	0.4	0.4
ER20-14T	Human Anatomy & Physiology- Theory	2.2	1.46	1.64	2.2	2.2	1.90	2.20	1.75	2.2
ER20-15T	Social Pharmacy-Theory	0.6	0.4	0.45	0.6	0.6	0.52	0.6	0.48	0.6
ER20-11P	Pharmaceutics - Practical	3	1.5	-	3	1	2	2	1.8	3
ER20-12P	Pharmaceutical Chemistry- Practical	3	2	-	3	-	-	2	2	2
ER20-13P	Pharmacognosy-Practical	3	2.5	2	2.6	2.5	2.16	2	2	2
ER20-14P	Human Anatomy & Physiology- Practical	3	2	2.8	2.8	3	2.8	3	3	3
ER20-15P	Social Pharmacy-Practical	3	2	3	2.1	1.25	3	2.6	2.3	3
2001	Pharmaceutics II-Theory	2.2	2.2	-	2.2	1.83	2.2	1.46	0.73	0.9
2002	Pharmaceutical Chemistry II- Theory	0.4	-	-	0.30	0.13	0.34	0.34	0.26	0.23
2003	Pharmacology-Theory	0.40	0.26	0.34	0.4	0.4	0.4	0.4	0.4	0.4
2004	Hospital & Clinical Pharmacy - Theory	2	1.67	1.33	2	1.60	1.06	1.67	0.67	1.67
2005	Pharmaceutical Jurisprudence	1.58	-	1.46	1.58	1.95	1.46	1.46	1.46	1.46
2006	Drug Store & Business Management- Theory	1.47	-	2.01	1.47	2.19	2.19	-	-	0.73
2011	Pharmaceutics II-Practical	3	-	-	3	1.1	1.3	1.5	1.5	1.3
2012	Pharmaceutical Chemistry II- Practical	2.3	2	2	2.5	2.3	2.16	2.16	2.16	2
2013	Pharmacology-Practical	3	2.2	3	3	3	3	3	2.4	3
2014	Hospital & Clinical Pharmacy – Practical	3	2.5	-	2.5	-	-	2.4	-	-
AVERAGE		2.12	1.81	1.70	2.01	1.59	1.71	1.70	1.43	1.63



3.3.2 Indirect Assessment

Average PO calculated based on various Feedback/Survey

Table No. 3.18 (PO-Indirect Assessment)

Program outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
Students Feedback	3.00	2.43	2.80	3.00	3.00	2.66	3.00	3.00	3.00
Faculty Feedback	2.67	2.83	2.67	2.83	2.67	2.83	2.83	2.83	2.83
Alumni Feedback	3.00	2.10	2.40	3.00	3.00	2.70	3.00	2.90	3.00
Employer Feedback	2.93	2.60	2.80	2.93	3.00	2.80	3.00	2.86	3.00

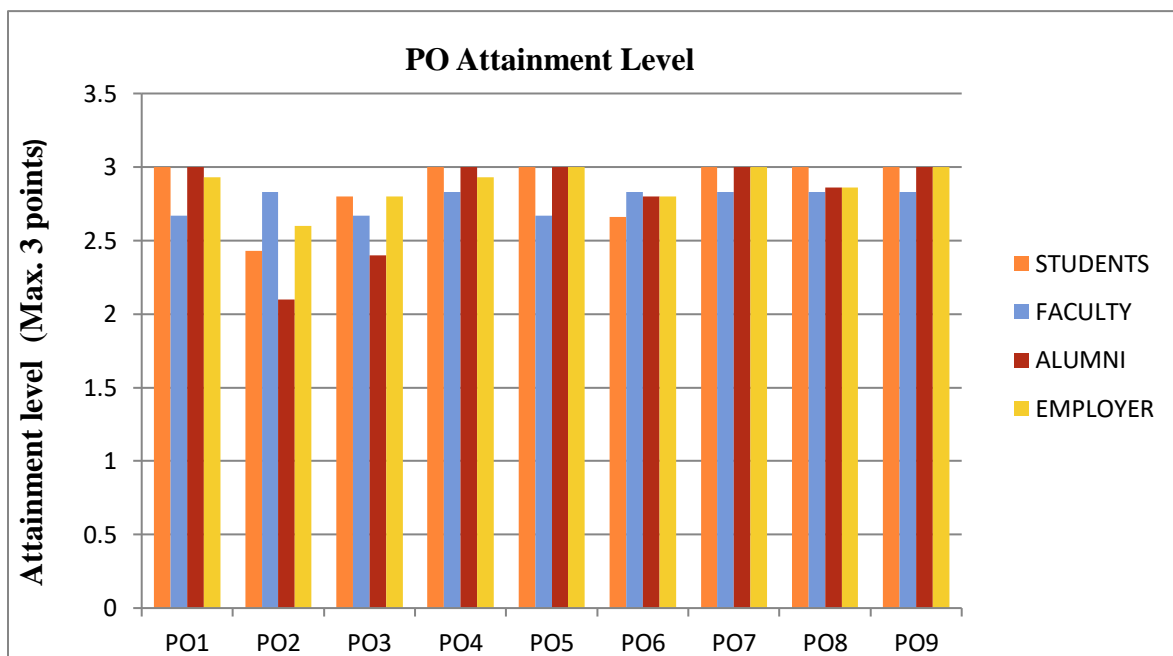


Fig 3.1 Correlation between attainment level and program outcome as per feedback



Weightage for direct and indirect assessment set by institution to calculate PO's attainment is given below:

Table No. 3.19 (Indirect Assessment)

Type of assessment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
Students	3.00	2.43	2.80	3.00	3.00	2.66	3.00	3.00	3.00
Faculty	2.67	2.83	2.67	2.83	2.67	2.83	2.83	2.83	2.83
Alumni	3.00	2.10	2.40	3.00	3.00	2.70	3.00	2.90	3.00
Employer	2.93	2.60	2.80	2.93	3.00	2.80	3.00	2.86	3.00
Average	2.9	2.49	2.66	2.94	2.91	2.74	2.95	2.89	2.95
Attainment Level (20% of average weightage)	0.58	0.49	0.53	0.58	0.58	0.54	0.59	0.57	0.59

Table No. 3.20 (Direct Assessment)

Type of assessment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
Average Attainment (3 years)	2.56	2.11	2.08	2.35	2.06	2.18	2.15	1.79	1.94
Attainment Level(80% of average weightage)	2.04	1.68	1.66	1.88	1.64	1.74	1.72	1.43	1.55

Table No. 3.21 (Correlation between attainment level and program outcome)

Assessment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
Indirect Assessment	0.58	0.49	0.53	0.58	0.58	0.54	0.59	0.57	0.59
Direct Assessment	2.04	1.68	1.66	1.88	1.64	1.74	1.72	1.43	1.55
PO Attainment (20% of Indirect + 80% of Direct assessment)	2.62	2.17	2.19	2.46	2.22	2.28	2.31	2.00	2.14
Percent Achieved	87.3	72.3	73	82	74	76	77	66.6	71.3



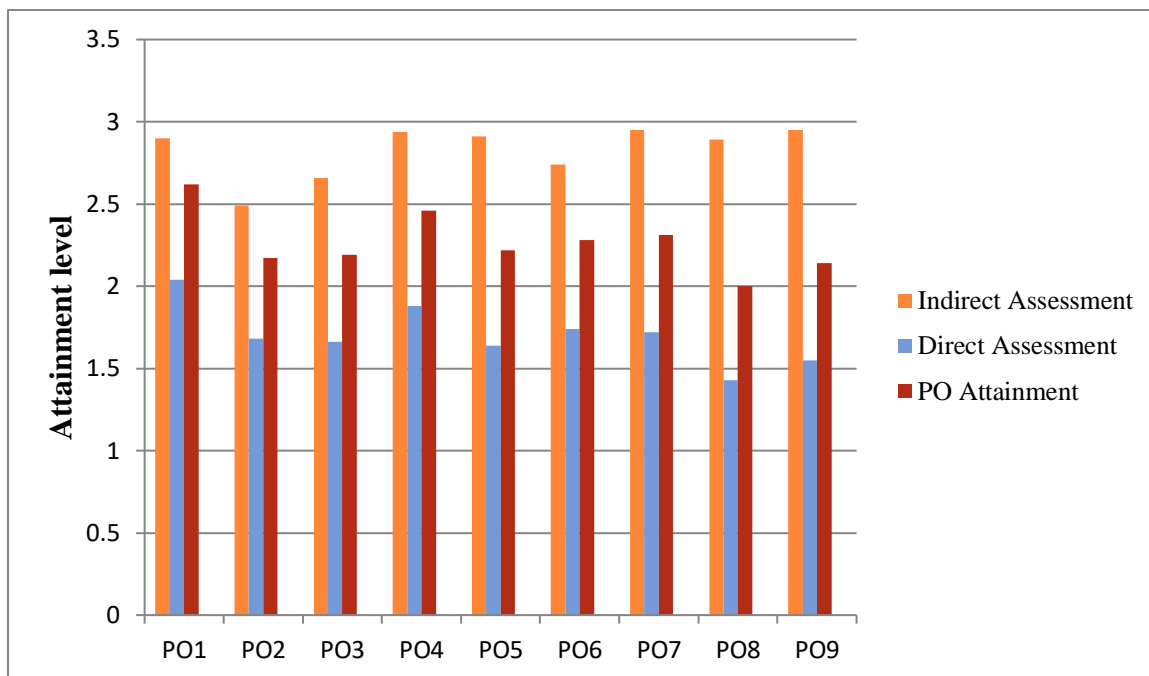


Fig 3.2: Correlation between attainment level and program outcome



Annexure 1

Feedback Form Students/ Alumni

Program Outcome Exit Survey

1. Email*

2. Name*

3. Mobile Number*

4. Name of Organization*

Please give your feedback.

After completion of D.Pharmacy Program, to which level, the following outcomes were attained

(1-Low ; 2-Medium ;3-High)***Mark only one***

- | | | | |
|----------------------------------------|-----------------------------|-----------------------------|-----------------------------|
| 1. PO-1 :- Pharmacy Knowledge | 1) <input type="checkbox"/> | 2) <input type="checkbox"/> | 3) <input type="checkbox"/> |
| 2. PO-2 :- Modern tool usage | 1) <input type="checkbox"/> | 2) <input type="checkbox"/> | 3) <input type="checkbox"/> |
| 3. PO-3 :- Leadership skills | 1) <input type="checkbox"/> | 2) <input type="checkbox"/> | 3) <input type="checkbox"/> |
| 4. PO-4 :- Professional Identity | 1) <input type="checkbox"/> | 2) <input type="checkbox"/> | 3) <input type="checkbox"/> |
| 5. PO-5:- Pharmaceutical Ethics | 1) <input type="checkbox"/> | 2) <input type="checkbox"/> | 3) <input type="checkbox"/> |
| 6. PO-6:- Communication | 1) <input type="checkbox"/> | 2) <input type="checkbox"/> | 3) <input type="checkbox"/> |
| 7. PO-7:- The Pharmacist & society | 1) <input type="checkbox"/> | 2) <input type="checkbox"/> | 3) <input type="checkbox"/> |
| 8. PO-8:- Environment & sustainability | 1) <input type="checkbox"/> | 2) <input type="checkbox"/> | 3) <input type="checkbox"/> |
| 9. PO-9:- Life-long Learning | 1) <input type="checkbox"/> | 2) <input type="checkbox"/> | 3) <input type="checkbox"/> |



Annexure II

Feedback Form (Employer)

Program Outcome Exit Survey

1. Email*

2. Name*

3. Mobile Number*

4. Name of Organization*

Please give your feedback.

After completion of D.Pharmacy Program, to which level, the following outcomes were attained

(1-Low ; 2-Medium ;3-High)***Mark only one***

- | | | | |
|----------------------------------------|-----------------------------|-----------------------------|-----------------------------|
| 1. PO-1 :- Pharmacy Knowledge | 1) <input type="checkbox"/> | 2) <input type="checkbox"/> | 3) <input type="checkbox"/> |
| 2. PO-2 :- Modern tool usage | 1) <input type="checkbox"/> | 2) <input type="checkbox"/> | 3) <input type="checkbox"/> |
| 3. PO-3 :- Leadership skills | 1) <input type="checkbox"/> | 2) <input type="checkbox"/> | 3) <input type="checkbox"/> |
| 4. PO-4 :- Professional Identity | 1) <input type="checkbox"/> | 2) <input type="checkbox"/> | 3) <input type="checkbox"/> |
| 5. PO-5:- Pharmaceutical Ethics | 1) <input type="checkbox"/> | 2) <input type="checkbox"/> | 3) <input type="checkbox"/> |
| 6. PO-6:- Communication | 1) <input type="checkbox"/> | 2) <input type="checkbox"/> | 3) <input type="checkbox"/> |
| 7. PO-7:- The Pharmacist & society | 1) <input type="checkbox"/> | 2) <input type="checkbox"/> | 3) <input type="checkbox"/> |
| 8. PO-8:- Environment & sustainability | 1) <input type="checkbox"/> | 2) <input type="checkbox"/> | 3) <input type="checkbox"/> |
| 9. PO-9:- Life-long Learning | 1) <input type="checkbox"/> | 2) <input type="checkbox"/> | 3) <input type="checkbox"/> |



Self-Assessment for Criterion 03

S.No.	Assessment Parameter	Marks	
		Prescribed	Institute
3	Course Outcomes (COs) and Program Outcomes (POs)	60	58
3.1	Establish the correlation between the courses and the Program Outcomes	20	20
3.1.1	Course Outcome	05	05
3.1.2	CO-PO matrices of courses selected in 3.1.1	05	05
3.1.3	Course-Po matrix of courses for all two years of study	10	10
3.2	Attainment of Course Outcomes	20	20
3.2.1	Describe the assessment processes used to gather the data upon which the evaluation of Course Outcome is based	10	10
3.2.2	Record the attainment of Course outcomes of all courses with respect to set attainment levels	10	10
3.3	Attainment of Program Outcome	20	18
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	10	08
	Total Marks	60	58
	Percentage	96.6%	



CRITERION 4	STUDENTS' PERFORMANCE	75
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Table No. 4.1 (Student Intake)

Item	2022-23	2021-22	2020-21
Sanctioned intake of the program (N)	60	60	60
Total number of students admitted in first year (N1)	63*	63*	60

- 3 seats under Fee Waiver Scheme

Table No. 4.2 (Students Graduated)

Year of entry	Number of students admitted	Number of students who have successfully graduated	
		I st Year	II nd Year
2022	63		
2021	63	47	
2020	60	57	45
2019	60	59	58
2018	60	51	51

CAY: Current Academic Year

CAYm1: Current Academic Year minus 1

CAYm2: Current Academic Year minus 2 = Last Year Graduate (LYG)

CAYm3: Current Academic Year minus 3 = Last Year Graduate minus 1 (LYGm1)

CAYm4: Current Academic Year minus 4 = Last Year Graduate minus 2 (LYGm2)



4.1 Enrolment Ratio (Admissions) (20)**Institute Marks= 20****Enrolment Ratio= $60/60*100 = 100\%$** **Table No. 4.3 (Enrolment Ratio)**

Item (Students enrolled at the First Year Level on average basis during the period of assessment)	Marks
$\geq 90\%$ students enrolled	20 ✓
$\geq 80\%$ students enrolled	18
$\geq 70\%$ students enrolled	16
$\geq 60\%$ students enrolled	12
$\geq 50\%$ students enrolled	08
$< 50\%$ students enrolled	0



4.2 Success Rate (Students graduating in minimum stipulated time) (20)**Institute Marks= 18**

SI= Number of students who graduated in minimum stipulated time) / Number of students admitted

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

Success rate = 20*Average SI

Table No. 4.4 (Success Rate)

Item	2022-23	2021-22	2020-22
Number of students admitted	60	60	60
Number of students who have graduated	45	59	58
Success index (SI)	0.75	0.98	0.96
Average SI	0.89		
Success rate	17.8		



4.3 Academic Performance (Percentage of marks scored) (15)

Institute Marks= 10

Academic Performance = $1.5 \times \text{Average API (6.64)} = 9.96$

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)) x (successful students/number of students appeared in the examination)

Successful students are those who passed the courses in the stipulated period.

Table No. 4.5 (Academic Performance Index)

Academic Performance	2022-23	2021-22	2020-22
Mean of CGPA or Mean Percentage of all successful students (X)	6.71	7.32	7.59
Total no. of successful students (Y)	45	58	56
Total no. of students appeared in the examination (Z)	56	59	58
API = $x \times (Y/Z)$	5.39	7.19	7.32
API = $(AP1 + AP2 + AP3)/3$	6.64		



4.4 Placement and Higher Studies (20)**Institute Marks=15****Assessment Points = $20 \times (x + y)/N$** **Table No. 4.6 (Placement Index)**

Item	2022-23	2021-22	2020-21
Total No. of Final Year Students (N)	58	53	58
Number of students placed in Industries/Hospitals/ Government sector through on/off campus recruitment or opted for Entrepreneurship(x)	40	38	50
No. of students admitted to higher studies with valid scores in various qualifying exams(y)	10	11	3
x + y	50	49	53
Placement Index : $(x + y)/N$	0.86	0.92	0.91
T = Average of $(x + y)/N$	0.9		
Assessment = 20 X T	18		



Table No. 4.7 LIST OF OUR SUCCESSFUL ENTREPRENEURS

Sr. No.	Roll no.	Names	Name of Organization	Phone no.	Year
1	407/17	Balwinder Singh	Janta Medicine Centre, Reru Jalandhar, Punjab	9056918648	2020
2	409/17	Bhawna Sood	Sood Medical Hall, near London Dream Resort, Plahi, Phagwara Punjab	9872759885	2020
3	422/17	Kapil	Dhanjal Medicose, Kapurthala	9915209034	2020
4	461/17	Rohan	Rohan Medicose, Chitti Jalandhar, Punjab	9888345410	2020
5	423/15	Sukhwinder Singh	Bath Medical Store, Slamepur Musalmana, Jalandhar, Punjab	6239022482	2020
6	431/17	Pati Ram	Anita Medical Store, Gonda, UP	7570050340	2021
7	453/17	Rachit Ohri	Pradhan Mantri Jan Aushadhi Kendra, Nurmahal, Punjab	9988828550	2021
8	425/17	Karandeep	Bhat Medicose, Guru Nanak Nagar, Jalandhar, Punjab	9988249997	2021
9	453/18	Paras Kakkar	Kakkar Medical & Cosmetic, Jalandhar, Punjab	7888946952	2022
10	401/15	Aman Kumar	Bandgi Medicos, Village Shekhon, Jalandhar, Punjab	8699385228	2022
11	443/17	Sandeep kumar	Sandeep Medicose, Ibban, Jalandhar, Punjab	9501492291	2022



Self-Assessment for Criterion 04

S.No.	Assessment Parameters	Marks	
		Prescribed	Institute
4	Students' Performance	75	63
4.1	Enrolment Ratio (Admissions)	20	20
4.2	Success Rate (Students graduating in minimum stipulated time)	20	18
4.3	Academic Performance (Percentage of marks scored)	15	10
4.4	Placement and Higher Studies	20	18
	Total Marks	75	66
	Percentage	88%	



CRITERION 5	Faculty Information and Contributions	75
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Table No. 5.1 Session 2020-2021

Name of the Faculty Member	Qualification			Nature of Association (Regular/Contractual)	Designation	Date of Joining the Institution	Date of Leaving the Institution	Currently Associated (Yes/No)	Whether drawing salary as prescribed by the concerned State Government in the respective cadre (Yes/No in case of contractual faculty)
	Degree (highest degree)	University	Year of Graduation						
Dr. Sanjay Bansal	Ph.D. (Pharmaceuticals)	MMU, Mullana, Ambala	1988	Regular	HOD	20 th Oct 1991	NA	Yes	Yes
Mrs. Meena Bansal	M. Pharm. (Pharmaceuticals)	PU,Chd.	1988	Regular	Sr. Lecturer	13 th May 1992	NA	Yes	Yes
Mr. Sundip Kumar	M. Pharm (Pharmacognosy)	Gulbaya University, Gulbaya	1991	Regular	Lecturer	23 rd Sept 1996	NA	Yes	Yes
Mr. Pankaj Gupta	M. Pharm. (Pharmacology)	Rajiv Gandhi University of Health Sciences	1995	Regular	Lecturer	16 th Nov 1999	NA	Yes	Yes
Mr. Karaninder Singh	M. Pharm. (Industrial Pharmacy)	PTU, Jalandhar	2013	Contractual	Lecturer	04 th Aug 2014	27 th May 2022	Yes	Yes
Dr. Savita Kumari	Ph.D. (Pharmacology)	PTU, Jalandhar	2005	Contractual	Lecturer	21 st Sept 2020	NA	Yes	Yes



Table No. 5.2 Session 2021-2022

Name of the Faculty Member	Qualification			Nature of Association (Regular/Contractual)	Designation	Date of Joining the Institution	Date of Leaving the Institution	Currently Associated (Yes/No)	Whether drawing salary as prescribed by the concerned State Government in the respective cadre (Yes/No in case of contractual faculty)
	Degree (highest degree)	University	Year of Graduation						
Dr. Sanjay Bansal	Ph.D. (Pharmaceuticals)	MMU, Mullana, Ambala	1988	Regular	HOD	20 th Oct 1991	NA	Yes	Yes
Mrs. Meena Bansal	M. Pharm. (Pharmaceuticals)	PU,Chd.	1988	Regular	Sr. Lecturer	13 th May 1992	NA	Yes	Yes
Mr. Sundip Kumar	M. Pharm (Pharmacognosy)	Gulbaya University, Gulbaya	1991	Regular	Lecturer	23 rd Sept 1996	NA	Yes	Yes
Mr. Pankaj Gupta	M. Pharm. (Pharmacology)	Rajiv Gandhi University of Health Sciences	1995	Regular	Lecturer	16 th Nov 1999	NA	Yes	Yes
Mr. Karaninder Singh	M. Pharm. (Industrial Pharmacy)	PTU, Jalandhar	2013	Contractual	Lecturer	04 th Aug 2014	27 th May 2022	Yes	Yes
Dr. Savita Kumari	Ph.D. (Pharmacology)	PTU, Jalandhar	2005	Contractual	Lecturer	21 st Sept 2020	NA	Yes	Yes



Table No. 5.3 Session 2022-2023

Name of the Faculty Member	Qualification			Nature of Association (Regular/Contractual)	Designation	Date of Joining the Institution	Date of Leaving the Institution	Currently Associated (Yes/No)	Whether drawing salary as prescribed by the concerned State Government in the respective cadre (Yes/No in case of contractual faculty)
	Degree (highest degree)	University	Year of Graduation						
Dr. Sanjay Bansal	Ph.D. (Pharmaceuticals)	MMU, Mullana, Ambala	1988	Regular	HOD	20 th Oct 1991	NA	Yes	Yes
Mrs. Meena Bansal	M. Pharm. (Pharmaceuticals)	PU,Chd.	1988	Regular	Sr. Lecturer	13 th May 1992	NA	Yes	Yes
Mr. Sundip Kumar	M. Pharmacy (Pharmacognosy)	Gulbaya University, Gulbaya	1991	Regular	Lecturer	23 rd Sept 1996	NA	Yes	Yes
Mr. Pankaj Gupta	M. Pharm. (Pharmacology)	Rajiv Gandhi University of Health Sciences	1995	Regular	Lecturer	16 th Nov 1999	NA	Yes	Yes
Dr. Savita Kumari	Ph.D. (Pharmacology)	PTU, Jalandhar	2005	Contractual	Lecturer	21 st Sept 2020	NA	Yes	Yes
Mr. Abhishek	Ph.D. (Pharmacology)	PTU, Jalandhar	2021	Contractual	Lecturer	16 th Aug 2022	NA	Yes	Yes

Note: Please provide the above table for last three academic years including Current Academic Year.



5.1 Student-Faculty Ratio (SFR) (15) + Availability of HoD/Principal (5); (20)

Institute Marks= 20

No. of Students in Diploma 1st Year= **60**

No. of Students in Diploma 2nd Year= **60**

D = Total no. of students in diploma programs running in the department

No. of Students in UG 1st Year= **u1** No. of Students in UG 2nd Year= **u2** No. of Students in UG 3rd Year= **u3** No. of Students in UG 4th Year= **u4**

UG1 = Total no. of students in the UG program

No. of Students in PG 1st Year= **p1**

No. of Students in PG 2nd Year= **p2**

p1.1= no. of 1st year students in 1st PG program

.....

p1.2= no. of 1st year students in 2nd PG program

PG1= Total no. of 1st year students in all PG programs running in the department

P2.1= no. of 2nd year students in 1st PG program P2.2= no. of 2nd year students in 2nd PG program

.....

PG2= Total no. of 2nd year students in all PG programs running in the department

(Note: No. of students in other programs being run in the department (For example: For Pharm.D 6 year program provide number of students for all 6 years)

No. of Students = Sanctioned Intake

(The above data to be provided considering all the programs of the department)

S=Number of Students in the Department = D1 + D2 + UG1 + PG1 + PG2

F = Total Number of Regular Faculty Members in the Department

Student Faculty Ratio (SFR) = S/F



Table No. 5.4 (Student Faculty Ratio)

Year	2022-23	2021-22	2020-21
D1	60	60	60
d1.2	60	60	60
d1	120	120	120
u1.1			
u1.2			
u1.3			
U1.4			
UG1	u1.1+u1.2+u1.3+u1.4	u1.1+u1.2+u1.3+u1.4	u1.1+u1.2+u1.3+u1.4
p1.1			
p1.2			
PG1	p1.1+p1.2	p1.1+p1.2	p1.1+p1.2
pm.1			
pm.2			
PGm	pm.1+pm.2	pm.1+pm.2	pm.1+pm.2
Total No. of Students in the Department(S)	D1+D2+UG1 + UG2 +UG3 +UG4+ PG1 + ...PGm	D1+D2...+Dx+UG1 + UG2 + .. +UGn + PG1+... + PGm	D1+D2+...+Dx+UG1 + UG2 + .. +UGn + PG1+... + PGm
No. of Faculty in the Department (F)	6	6	6
Student Faculty Ratio(SFR)	20	20	20
Average SFR	20		

Note:

1. All faculty whether regular or contractual (except Part-Time), will be considered. The contractual faculty (doing away with the terminology of visiting/adjunct faculty, whatsoever) who have taught for 2 consecutive semesters in the corresponding academic year on full time basis shall be considered. However, following will be ensured in case of contractual faculty:

- a. Shall have the AICTE prescribed qualifications and experience**
- b. Shall be appointed on full time basis and worked for consecutive two semesters during the particular academic year under consideration.**
- c. Should have gone through an appropriate process of selection and the records of the same shall be made available to the visiting team during NBA visit.**



2. Depending upon the No. of programs in UG and PG the above table has to be updated accordingly. For Ex: if UG="0" and PG="1". The table may be prepared for only one PG program.

Marks to be given proportionally from a maximum of 15 to a minimum of 10 for average SFR between 20:1 to 25:1, and zero for average SFR higher than 25:1. Marks distribution is given as below:

< = 20 - 15 Marks

< = 21 - 14 Marks

< = 22 - 13 Marks

< = 23 - 12 Marks

< = 24 - 11 Marks

< = 25 - 10 Mark

> 25.0 - 0 Marks

Note: If the institution is running only Diploma Pharmacy program, calculation of SFR would be as follows:

N=No. of students = 2x (first year approved intake)

F= Total Number of Regular Faculty Members in the program

Table No. 5.5 (Average SFR)

Year	N	F	SFR = N/F
2022-23	120	6	20
2021-22	120	6	20
2020-21	120	6	20
Average SFR for three Academic years			20

HOD/Principal is to be over and above 1:15 ratio. 5 marks to be awarded for availability of HOD/Principal for all the academic years, otherwise 0 marks.



5.2 Faculty Qualification (20)**Institute Marks=20**

$$FQ = 2 * (10x + 7y)/F$$

where **x** is no. of faculty with M. Pharm

y is no. of faculty with B.Pharm with 3 years teaching/ professional experience.

F is no. of faculty required to comply 1:20 Faculty Student Ratio (no. of faculty and no. of students required to be calculated as per 5.1)

Faculty with M. Pharm (x) 06

Faculty with B.Pharm with 3 years teaching (y) Nil

No. of faculty required to comply 1:20 (F) 6

$$FQ = 2 * (10x + 7y)/F$$

$$=2x (10x6 + 7(0))/ 6$$

$$=2(60)/6$$

$$FQ=20$$



5.3 Faculty Retention (20)

Institute Marks= 20

No. of regular faculty members in

2019-20 = 06

2020-21 = 06

2021-22= 06

2022-23= 06

Table No. 5.6 (Faculty Retention)

Item (% of faculty retained during the period of assessment keeping 2020 as base year)	Marks
$\geq 90\%$	20✓
$\geq 75\%$	16
$\geq 60\%$	12
$\geq 50\%$	8
$<50\%$	0



5.4 Faculty as participants in Faculty Development/Training Activities (15)**Institute Marks =13**

- 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

Table No. 5.7 (Faculty as participants in Faculty Development/Training Activities)

Name of the Faculty	Max. 5 per Faculty		
	2022- 23	2021-22	2020-21*
Dr. Sanjay Bansal	--	3	--
Mrs. Meena Bansal	3	--	--
Mr. Sundip Kumar	3	3	--
Mr. Pankaj Gupta	5	--	--
Mr. Karan Inder Singh	--	3	--
Dr. Savita Kumari	3	3	--
Mr. Abhishek	--	--	--
Sum	14	12	--
RF = Number of Faculty required to comply with 20:1 Student-Faculty ratio as per 5.1	6	6	--
Assessment = $3 \times \text{Sum} / (0.5 \text{ RF})$	14	12	--
Average	13		

2020-21* Faculty Development/Training Activities were not conducted due to Corona pandemic

Average assessment over three years (Marks limited to 15) = 13



FACULTY CONTRIBUTION IN RESEARCH

Two of our faculty members have completed **doctorate** in Pharmaceutical Sciences.

Details of the same are given below:-

1. **Dr. Sanjay Bansal**- completed Ph.D. in year 2018 from MMU, Mullana, Ambala
2. **Dr. Savita Kumari**- completed Ph.D. in year 2023 from PTU, Jalandhar, Punjab

In addition to this, one of our faculty members **Capt. Pankaj Gupta** is promoted for the rank of Major in August, 2022.

Besides, Faculty members are continuously involved in research activity and published various research and review articles in pharmacy field.

- **Details of research contribution by the faculty members are given below:**

Dr. Sanjay BANSAL

Paper Publications

1. QbD-Oriented Development and Characterization of Effervescent Floating-Bioadhesive Tablets of Cefuroxime Axetil. AAPS PharmSciTech Oct 2015
2. QbD-Enabled Systematic Development of Gastroretentive Multiple-unit Microballoons of Itopride Hydrochloride" in Drug Delivery, May 2014
3. Oral Buccoadhesive Films of Ondansetron: Development and Evaluation. International Journal of Pharmaceutical . **Investigation**. R Vol 3 | Issue 2 | April-June 2013.
4. Gastroretentive Drug Delivery System: Recent Trends and Advances. Inventi Rapid: Pharm Tech , Vol. 2013 , Article ID- " Inventi:ppt /725/ 13 " , 2013.
5. Nanocrystals: Current Strategies and Trends. IJRPBS, Volume 3, Issue 1, January-March, 2012
6. In vitro Protein Binding Studies on Aztreonam: Temperature effects and thermodynamics. Indian J. Pharm. Sci. (1998) 60(5), 270-4.
7. In vitro Protein Binding Studies on Aztreonam: Effect of pH, drug concentration and protein concentration. The Eastern Pharmacist (1993) 143-7
8. PROBE: A program to evaluate Protein Binding Parameters. Indian J. Pharm. Sci. (1990) 52, 87



Awards

1. **EUDRAGIT AWARD 2014-** (with cash award of 1500 EURO) for Best Research Paper by Evonik Industries, Germany
2. **BEST TEACHER AWARD** 2014-15 by CT Group of Institutions, Jalandhar

Conferences organized

Organized a National conference on the topic 'Recent Challenges in Pharmacy Education, Research & Management' in collaboration with Society of Pharmaceutical Education and Technology (SPET) in the year 2015

Life Membership

Association of Pharmaceutical Teachers of India

Author of Books/Chapters

- 1) Pharmaceutical Chemistry, PV Publication, Jalandhar
- 2) Pharmaceutical Chemistry- 1, Satya Prakashan, New Delhi.
- 3) Hospital & Clinical Pharmacy, Eagle Prakashan, Jalandhar.
- 4) Book chapter 'The RapidMist™ System for Buccal Delivery of Insulin' in 'Mucosal Delivery of Biopharmaceuticals Biology, Challenges and Strategies' by das Neves, José Alberto Gonçalves; Sarmiento, Bruno Filipe Carmelino Cardoso (Eds.) 2014, VIII, 492 p. 134 illus., 23 illus. in color.
- 5) Book chapter 'Gastroretentive drug delivery systems' in 'In-Vitro and In-vivo Tools in Drug Delivery Research for Optimum Clinical Outcomes' by Edited by Ambikanandan Mishra and Alisgar Sahiwala by CRS Press Taylor and Francis Group, Eds 2018, pp 173-208

Paper Presentation

- 1) Doping Practices: National Conference on Health, Sports and Society: Recent Trends & Challenges organised by Indian Association of Health & Fitness.
- 2) Nanocrystal Technology: A Novel Approach to Enhance Drug Bio-Availability -Paper presentation at conference at DAVIET, Jalandhar on May 30, 2013.



Guest Lecture Delivered

- 1) International Multi-Track Conference on Science, Engineering and Technical Innovations (IMTC-I5) on 22 & 23 May, 2015 at Shahpur Campus, Jalandhar.
Topic: Gastroretentive Drug Delivery Systems: Challenges ahead
- 2) National conference on 'Recent Challenges In Pharmacy Education, Research And Management' Topic - 'Current Advances in Gastroretentive Drug Delivery Systems' on 14 Feb 2015 at MCPC, Jalandhar
- 3) Re Orientation Training Program (ROTP) Topic – 'Incompatibility of Ahar & Aushadha Dravys & their Toxic Manifestation' on 22-9-2010 at Dayanand Ayurvedic College, Jalandhar.

Mrs Meena Bansal**Paper Publications**

1. Nanocrystals: Current Strategies and Trends. IJRPBS, Volume 3, Issue 1, January-March, 2012
2. Gastroretentive Drug Delivery System: Recent Trends and Advances. Inveni Rapid: Pharm Tech , Vol. 2013 , Article ID- " Inveni:ppt /725/ 13 " , 2013.

Conferences Attended

- 1) 41st Indian Pharmaceutical Conference held at Bombay in Dec. 1989.
- 2) National Conference on Health, Sports And Society: Recent Trends & Challenges organized by Indian Association of Health & Fitness at Mehr Chand Polytechnic college, Jalandhar City
- 3) DAV National Congress on Science and Technology at DAVIET, Jalandhar From 30-31 May 2013
- 4) Current Status of Pharmacy Profession in India & the challenges ahead at Shri RLT Institute of Pharmaceutical Sciences & Technology, Ekdil, Etawah, UP ; October 2014 organized by SPET.
- 5) Recent Challenges in Pharmacy Education, Research and Management at MCPC, Jalandhar on 14 Feb 2015
- 6) International Multi Tract Conference on Science, Engineering and Technical Innovations, May 22 & 23 2015, at CT Group of Institutions, Jalandhar
- 7) National Conference on 'Emerging Trends in Host-Microbe Interactions' at DAV University, Jalandhar on April 17-18 2015



Poster Presentation

- 1) Nanocrystal Technology- Recent advances at International Conference On Nanotechnology in the Service of Health, Environment & Society, NanoSciTech 2014 at PU Chandigarh.
- 2) Gastroretentive Drug Delivery Systems in Chronopharmaceutics at Conference IHPA HEALTHCON 2015 held at MMU, Mullana , Ambala On 13-14 March 2015
- 3) Role of Insulin in Diabetes Mellitus : Mansi, Meena Bansal
- 4) Role of Nitroglycerine in Angina Pectoris : Deepika, Meena Bansal
- 5) Current Status and Scope of Pharmacy Profession In India: Karan Kumar, Meena Bansal
- 6) Multi Drug Resistant Tuberculosis: An Overview: Shivani Sharma, Meena Bansal

Paper Presentation

- 1) Pollution: A Health Hazard: National Conference on Health, Sports And Society: Recent Trends & Challenges organised by Indian Association of Health & Fitness.
- 2) Nanocrystal Technology: A Novel Approach To Enhance Drug Bio-availability at DAV National Congress on Science and Technology at DAVIET, Jalandhar From 30-31 May 2013
- 3) Nanocrystal Technology: Current Strategies and Trends - at 'Emerging Trends in Host-Microbe Interactions' at DAV University, Jalandhar on April 17-18 2015

Author of books/book chapters

- 1) Pharmaceutical Chemistry- 1, Satya Prakashan, New Delhi.
- 2) Hospital & Clinical Pharmacy, Eagle Prakashan, Jalandhar.
- 3) Book chapter 'The RapidMist™ System for Buccal Delivery of Insulin' in 'Mucosal Delivery of Biopharmaceuticals Biology, Challenges and Strategies' by das Neves, José Alberto Gonçalves; Sarmiento, Bruno Filipe Carmelino Cardoso (Eds.) 2014, VIII, 492 p. 134 illus., 23 illus. in color.
- 4) Book chapter 'Gastroretentive drug delivery systems' in ' In-Vitro and In-vivo Tools in Drug Delivery Research for Optimum Clinical Outcomes' Edited by Ambikanandan Mishra and Alisgar Sahiwala by CRS Press Taylor and Francis Group, Eds 2018, pp 173-208



Life Membership

‘WE for We’- Global Campaign for Women Empowerment

Short Term Courses Attended

- 1 ‘Induction Training Programme through ICT’ by NITTR , Chandigarh from 11-15 March 2013
- 2 ‘Water Conservation Practices’ by NITTTR, Chandigarh. 17-19 Mar 2009
- 3 ‘Teaching Learning Strategies’ by Curriculum Development Center 6-9 Feb 2007
- 4 ‘Computer Aided Design’ by NITTTR Chandigarh 19-23 July 2004
- 5 ‘Modeling in CAD’ 6-10 Dec 2004, NITTTR Chandigarh
- 6 ‘Entrepreneurship Development Program’ conducted by Entrepreneurship & Indl. Co-ordination, NITTTR- 19-23 Jan 2004
- 7 ‘Introduction to Computer’ by Computer Science Deptt of TTTI, Chandigarh from 27th – 31st October 2003
- 8 ‘Induction Programme for newly recruited Teachers’ at Deptt of TTTI, Chandigarh from 8-27 July 1996

Webinars Attended

- 1) ‘How do editors look at your paper? On 2nd Sept, 2015 conducted by Elsevier Publishing Campus
- 2) ‘Publishers: Origins, role and contribution’ 4th September 2015 conducted by Elsevier Publishing Campus

Dr. Savita Kumari**Paper Publications**

1. Savita Kumari, Anjoo Kamboj, Manish Wanjari, Anil Kumar Sharma (2021). Nephroprotective effect of Vanillic acid in STZ-induced diabetic nephropathy in rats Journal of Diabetes and metabolic disorders. 20 : 571-582.
2. Savita Kumari, Anjoo Kamboj, Manish Wanjari, Anil Kumar Sharma (2021). Protective role of Fisetin in STZ induced diabetic nephropathy in rats. Journal of Pharmaceutical research international. 33 (30 B): 97-111, 2021.
3. Savita Kumari, Manish Wanjari, Parveen Kumar, S Palani, (2012) Antidiabetic activity of *Pandanus fascicularis* Lamk – aerial roots in alloxan-induced hyperglycemic rats. International journal of nutrition pharmacology and neurological diseases., Vol 2, Issue 2, 105-110.



4. Santosh Kumar Verma, Seema Rani, Savita Kumari, Isha Dhamija, Sanchit Sharma and Anil Kumar Sharma, Pharmacological Evaluation of Indigenous Antiurolithiatic Formulation Neeri (NRT-RF), British Biomedical Bulletin, 2015, 3(1), 041-057
5. Amit Barwal, Savita Kumari, Santosh Kumar Verma, Parveen Kumar Goyal, Ikshit Sharma, Sanchit Sharma, Anil Kumar Sharma. Evaluation of herbal formulation Neeri (NS-RF) for protective effects against heavy metal induced nephrotoxicity in rats. Indo American Journal of Pharmaceutical Research, 2015, Vol 5 (9), 2790-2798.
6. Sangeeta Saini, Savita Kumari, Santosh Kumar Verma, Anil Kumar, Sharma. A review on different types of animal models of Pharmacological evaluation of anti diabetic drugs. International journal of Pharmaceutical and Phytopharmacological research, 2013, Vol.3 (1): 2-12.
7. Manpreet Kaur, Amit Barwal, Savita Kumari, RajinderPal kaur, Shikha Atteri. Diabetes Mellitus: An Incisive Review. International Journal of Pharmaceutics & Drug analysis, 2016, Vol.4(11), 494 – 504.
8. Savita Kumari, Amit Barwal, Anil Kumar Sharma, Lead Poisoning and its Management: A Review, Global Journal of Pharmaceutical Education and Research, Vol. 3 (1), 2014, in Press.
9. Savita Kumari, Seema Rani, Santosh Kumar Verma, A.K.Sharma, Pathophysiology and management of Urolithiasis, International Multi Track Conference on Sciences, Engineering & Technical Innovations, June3&4 , Vol. 2, 2014, 352-354.
10. Savita Kumari, Gurpreet Kaur, Anil Kumar Sharma,” Diabetic Nephropathy and its herbal management. International Multi Track Conference on Sciences, Engineering & Technical Innovations, Vol.(2), 2015, 160-163.
11. Gurpreet Kaur, Ankur Bhagat, Savita Kumari , Anil Kumar Sharma,” Pathogenesis of Diabetic nephopathy International Multi Track Conference on Sciences, Engineering & Technical Innovations, Vol.(2), 2015, 188-192.
12. Jasmeen Kaur, Savita Kumari, Amit Barwal, Anil Sharma,” Management and Mechanism of Amikacin induced Nephrotoxicity. International Multi Track Conference on Sciences, Engineering & Technical Innovations, Vol.(2), 2015, 193-195.
13. Shalini Kumari, Savita Kumari, Anil Kumar Sharma, Inderpreet Kaur,” Methotrexate induced hepatotoxicity and its management. International Multi Track Conference on Sciences, Engineering & Technical Innovations, 27/03/2015. Vol.(2), 2015, 196-199.
14. Savita Kumari. Streptozotocin induced Diabetes mellitus and its Herbal Management. International Conference on Sciences, Engineering & Technical Innovations (ICSETI), CTIT, Jalandhar , Vol.(2), 2016, 147-150.



Professional Qualification**GATE :** Qualified Graduate Aptitude Test in Engg. (**GATE – 2007**)**GPAT:** Qualified Graduate Pharmacy Aptitude Test (**GPAT – 2010**)

- **Life Membership:** Indian Pharmacological society (IPS), **Reference no. LS-529**

Research Projects Handeled/ In Process (M. Pharmacy, Pharmacology)**Supervisor**

1. Pharmacological evaluation of the herbal formulation Amree Plus (AP-RF) in hyperglycemic rats (Ms. Sangeeta Saini, 2013).
2. Evaluation of the herbal formulation Amree Plus in high fat diet induced hyperglycemic rats. (Mr. Ankur Bhagat ,2015).
3. Investigation of the polyherbal based formulation Amree Plus (AP) in alloxan induced diabetic complication in rats. (Ms. Gurpreet Kaur, 2015).
4. Pharmacological evaluation of the given herbal based formulation ‘Neeri’ in heavy metal induced nephrotoxicity in rats.(Ms. Jasmeen Kaur, 2015).
5. Pharmacological evaluation of the herbal based formulation ‘Amlycure DS’ in ethanol & methotrexate induced hepatotoxicity in rats (Ms. Shalini Kumari, 2015).
6. Evaluation of the extract of *Glycyrrhiza glabra* in ethylene glycol induced urolithiasis in wistar rats (Ms. Parul Salwan,2016).
7. Investigation of *Apium graveolens* against methotrexate induced hepatotoxicity in wistar rats (Ms. Nisha Taheam, 2016).
8. Investigation of *Bauhinia variegata* in mercuric chloride induced nephrotoxicity in wistar rat (Ms. Surekha, 2016).
9. Evaluation of the anti-diabetic activity of *Catharanthus roseus* extract in alloxan induced diabetic rats (Mr. Gagandeep, 2016).
10. Evaluation of the anti-diabetic activity of *Combretum micranthum* leaves extract on wistar albino rats (Ms. Reeta Devi,2016).
11. Investigation of the hepatoprotective effect of *Myristica fragrans* in ethanol induced hepatotoxicity in wistar albino rats (Ms. Rubina Sharma,2016).
12. Pharmacological evaluation of hepatoprotective activity of *Bauhinia variegata* Linn. in methotrexate induced hepatotoxicity in wistar rats (Ms.Shikha Atteri, 2017).
13. Pharmacological investigation of *Hibiscus sabdariffa* Linn. in high fructose and high fat diet induced obesity in wistar rats (Ms. Rajinderpal Kaur, 2017).

Co-Supervisor

1. Pharmacological evaluation of the herbal formulation Neeri (NS-RF) in lead induced nephrotoxicity in rats (Mr. Amit Barwal, 2013).
2. Pharmacological evaluation of the given antiurolithiatic Neeri formulation (NRT-RF) (Ms. Seema Rani, 2013).



3. Comparative study as antidepressant activity of Reishi Gano (RG) and Morinzihi on rats. (Ms. Nimpy Samplay, 2013).
4. Pharmacological evaluation of the given immunomodulator and blood purifier products Purodil (Coded as PD-RF) and further developed innovative formulation (Coded as PD-ND) (Ms. Sabia Chauhan, 2013).
5. Evaluation of protective effect of *Desmodium gangeticum* DC against diabetic nephropathy in rats. (Ms Surbhi Gupta).

Conference attended from 2020-2023

1. Presented poster in National conference on Pharmacovigilance and Clinical Research, on Therapeutic potential of Fisetin in kidney diseases organized by Chandigarh college of Pharmacy, Landran, Mohali on 9-10th May, 2022.
2. Presented paper in International conference on emerging trends in pharmaceutical sciences, on “Herbal drugs used in diabetic nephropathy” held at KC Group of institutions, Nawanshahr on 31st March, 2022.
3. Presented poster in international conference on “Drug delivery: Current challenges and future prospects” on “Antibiotic Resistance: A global threat” held at CGC, Landran, Mohali on 10th & 11th Feb. 2020.
4. Participated as delegate in national conference on “Herbal Drugs: The present & Future Scenario: An Overview” held at Himachal Institute of Pharmaceutical Education & Research, Nadaun, Himachal Pradesh on 12th & 13th Feb. 2020.

Mr Abhishek

1. Abhishek, Maninder Kaur, Ajeet Pal Singh and Amar Pal Singh (2021) Anxiolytic evaluation of hibiscus rosa sinensis leaves extracts in mice Volume 10, Issue 3, 1451-1459
2. Sonpreet Kaur, Abhishek, Maninder Kaur, Ajeet Pal Singh and Amar Pal Singh Phytochemical evaluation and anxiolytic activity of aegle marmelos leaves extracts in mice. Volume 10, Issue 3, 1571-1580
3. Maninder Kaur, Abhishek, Ajeet Pal Singh and Amar Pal Singh, Anti-anxiety activity of aegle marmelos fruit extracts in mice. Volume 10, issue 3, 1779-1790
4. Maninder Kaur, Abhishek, Sonpreet Kaur, Ajeet Pal Singh and Amar Pal Singh, A review - types of natural excipients, Volume 10, Issue 3, 391-404



Self-Assessment for Criterion 05

S.No.	Assessment Parameters	Marks	
		Prescribed	Institute
5	Faculty Information and Contribution	75	73
5.1	Student-Faculty Ratio (SFR) (15) + Availability of HoD/Principal (5)	20	20
5.2	Faculty Qualification	20	20
5.3	Faculty Retention	20	20
5.4	Faculty as participants in Faculty Development/Training Activities	15	13
	Total Marks	75	73
	Percentage	97.3%	



CRITERION 6	Facilities and Technical Support	100
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6.1 Availability of adequate, well-equipped classrooms to meet the curriculum requirements (05) Institute Marks=5

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 PSBTE & IT norms. In support to teaching and learning the college has lecture halls, laboratories, museum, seminar halls, library, and 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.

Table No. 6.1 (Classrooms)

Room No.	Room Name	Area Sq. Mt	Facilities
1	Smart Class Room	95	LCD, Screen Disk, Chairs, Tables, Wi-Fi and CCTV
2	Tutorial Room-01	35	





Tutorial Room (PH-201)



Smart Class Room (PH-302)

6.1 Other Amenities

Table No. 6.2 (Other Amenities)

Room Id	Room	Number	Area Sq. Mt
LIB	Library	1	163
R22	Placement Office	1	54
PH103	Store Room	1	18
R59	First Aid cum Room	1	20
SCR	SC/ST Scholarship Room	1	33
PH105	Girls Common Room	1	60
R21	Examination Control office	1	33
R33	Store	1	150
ER2	Stationary Store	1	13
PH205	Boys Common Room	1	60
LIBR	Library and Reading Room	1	130
MPG	Medicinal Plant Garden	1	459
R57	Cafeteria	1	100
BS-1	Co-operative Store	1	14
R61	Auditorium	1	1112
R53	Guest House	1	200
ADM	Admin Block	1	904
R31	Office All Inclusive	1	300
PA	Parking area for staff and students	3	857
G & PL	Garden and play grounds (open area)		
SEMHAL	Seminar Hall	1	132
SEMIN2	Conference Hall	1	132
PH-203	Museum	1	50
PH-004	Machine Room	1	80





Library (LIB)



Reading room (LIBR)



Machine Room (PH-004)



Store Room (PH-103)

6.2 Faculty Rooms (5)

Institute Marks=5

Room Id	Room	Number	Sq.Mt
PL	Principal room	1	41.1
O & CR	Office including confidential room	1	300
STR	Staff room	1	37
SCR	SC/ST scholarship room	1	33
ER	Examination room	1	30
HR	HOD room	1	20.4

Table No. 6.3



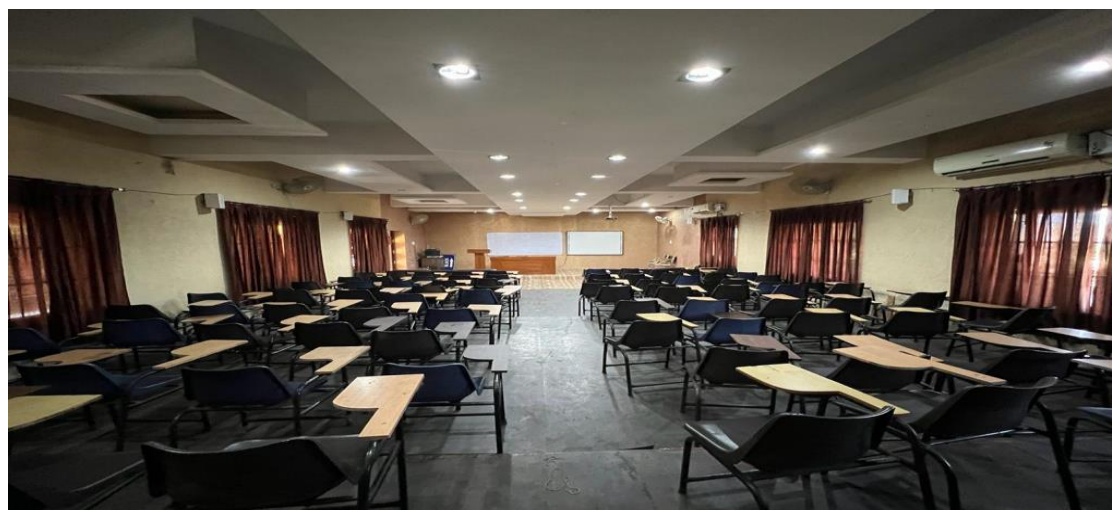
Principal Office (R19)



HOD Office (PH-001)



Conference Hall (SEMIN2)



Seminar Hall (SEMHAL)

6.3 Laboratories including preparation room, machine room along with equipment and relevant facilities (50) Institute Marks=50

Table No. 6.4 (List of Laboratories)

Room No	Room Name	Batch Size	Area Sq. Mt	Availability of manual	Quality of Instrument	Safety Measures	Remarks
PH003	Pharmaceutics-Lab.	20	95	Yes	Working	Available	SOP Available
PH005	Pharmaceutical Chemistry Lab.	20	95	Yes	Working	Available	SOP Available
PH104	Pharmacognosy Lab.	20	95	Yes	Working	Available	SOP Available
PH104	Human Anatomy & Physiology Lab.	20	95	Yes	Working	Available	SOP Available
PH102	Social Pharmacy Lab.	20	95	Yes	Working	Available	SOP Available
PH104	Pharmacology Lab.	30	95	Yes	Working	Available	SOP Available
PH102	Community Pharmacy & Management Lab.	30	95	Yes	Working	Available	SOP Available
PH005	Biochemistry & Clinical Pathology Lab.	30	95	Yes	Working	Available	SOP Available
PH003	Pharmacotherapeutics Lab.	30	95	Yes	Working	Available	SOP Available
PH102	Hospital & Clinical Pharmacy Lab.	30	95	Yes	Working	Available	SOP Available





Social Pharmacy Lab (PH-102)



Pharmaceutics Lab (PH-003)

6.3.1 Physiology, Pharmacology and Pharmacognosy Lab. (PH-104)**Table No. 6.5**

S. No.	Name	Manufacturer Name	Condition
1	Microscopes	Rolex Scientific engineers	Working
2	Haemocytometer with Micropipettes	Modern Surgical	Working
3	Sahli's haemoglobinometers	Northern Surgical	Working
4	Sphygmomanometers	Medigold	Working
5	Stethoscopes	Medigold	Working
6	Human Permanent Slides for various tissues	Today Tech Scientific	Working
7	Models for various organs	U.K Sales Corporation	Working
8	Specimen for various organs and systems	Instrument Manufacturing	Working
9	Human Skeleton and bones	Sanjay Biological Museum	Working
10	Different Contraceptive Devices and Models	Instrument Manufacturing	Working
11	Digital Balance (10 mg Sensitivity)	Citizen	Working
12	Computer with LCD	LG	Working
13	Licensed Software packages for Physiological & Pharmacological experiment	Elsevier CAL CD	Working
14	IR Thermometer	Welkang Ltd. London	Working
15	Refrigerator	U.K Sales Corporation	Working
16	First aid equipment	Bombay Industrial	Working
17	Stop watch	Lab Apparatus Enterprise	Working
18	Dummy Inhalers and Nebulizer	NA	Working
19	Pharmacotherapeutic charts for various diseases & disorders	Nav Bharat Scientific	Working
20	Surgical devices and Sutures	Alpha Meditech	Working
21	Digital BP Instrument	SD Biosensor Healthcare Pvt. Ltd.	Working



22	Mercury Thermometer	Dee Jay Corporation	Working
23	Digital Thermometer	JVM Thermometer Industries	Working
24	Pulse Oximeter	Ferosh Industries	Working
25	ESR Apparatus (Westergren and Wintrobe)	Wintrobe	Working
26	Peak Flow meter	Alpha Meditech	Working
27	Stadiometer	Alpha Meditech	Working
28	Adult Weighing Scale (150 kg)	Ramon Surgical	Working
29	Glucometer	Control D	Working
30	Projection microscope	Today Tech Scientific	Working
31	Permanent slide set of plants and charts for pharmacognosy lab	Today Tech Scientific	Working
32	Drug information resources	NA	Working
33	Various types of PPE Kits,	Romson Medicons	Working
34	Charts /displays/ AVs on tobacco control, glycemic index of foods, nutrition, reproductive health	Nav Bharat Scientific	Working
35	Menstrual hygiene products	NA	Working
36	Display for various disinfectants, mosquito repellents etc	NA	Working
37	Water Testing Kit	Alpha Meditech	Working
38	Permanent slide of different microbes	Today Tech Scientific	Working



6.3.2 Pharmaceutical Chemistry/ Biochemistry & Clinical Pathology Lab (PH-005)

S. No.	Name	Manufacturer Name	Condition
1	Hot plates	LABFIT	Working
2	Hot Air Oven	Universal scientific	Working
3	Refrigerator	U.K sales corporation	Working
4	Analytical Balances for demonstration	Sunshine Varanasi (India)	Working
5	Digital balance 10mg sensitivity	Citizen	Working
6	Magnetic Stirrers with Thermostat	LABFIT	Working
7	Vacuum Pump	Today tech scientific	Working
8	Digital pH meter	Labtronics	Working
9	Wall Mounted Water Distillation Unit	DEE JAY corporation	Working
10	Nessler's Cylinders	Universal Scientific	Working
11	Digital Melting Point Apparatus	LABFIT	Working
12	Thieles Tube	Universal Scientific	Working
13	Digital Colorimeter	Dee jay corporation	Working
14	Thermostatic Water Bath	Today tech scientific	Working

Table No. 6.6

6.3.3 Pharmaceuticals Lab (PH-003)

	Name	Manufacturer name	Condition
1	Digital balance (10mg)	Citizen	Working
2	Microscopes	Rolex Scientific engineers	Working
3	Autoclave	Dee jay corporation	Working
4	Vacuum Pump	Today Tech Scientific	Working
5	Standard sieves, sieve no. 8, 10, 12,22,24, 44, 54, 60, 80, 85, 100, 120	Poly Science Industries	Working
6	Tablet dissolution test apparatus IP (Digital single/double Unit)	Tanco Manufacturers	Working
7	Magnetic stirrer, 500ml and 1 liter capacity with speed control	Desh Biological	Working
8	Digital pH meter	Labtronics	Working
9	Capsule Counter	Dee Jay Corporation	Working
10	Hot Plate	Labfit	Working
11	Distillation Unit	Dee Jay Corporation	Working
12	Tablet counter – small size	Imcarp, India	Working
13	Hot air oven	Universal Scientific	Working
14	Electric water bath unit	Dee Jay Corporation	Working
15	Stalagmometer	Alpha Meditech	Working
16	Desiccator	Alpha Meditech	Working
17	Buchner Funnels (Medium)	Alpha Meditech	Working
18	Filtration assembly with Vacuum Pump	Today Scientific solution	Working
19	Andreasen's Pipette	Alpha Meditech	Working
20	Ointment slab	Poly Science Industries	Working
21	Ointment spatula	Poly Science Industries	Working
22	Pestle and mortar (porcelain)	Poly Science Industries	Working
23	Refrigerator	U.K Sales Corporation	Working
24	Micrometer slide Eyepiece	Alpha Meditech	Working



25	Micrometer slide Stage	Alpha Meditech	Working
26	Viscometer Ostwald/Brookfield	Alpha Meditech	Working
27	Stop watch	Lab Apparatus Enterprise	Working
28	Sintered glass filter with vacuum	Today Scientific solution	Working

Table No. 6.7

6.3.4 Hospital and Clinical Pharmacy Lab (PH-102)

Sr No	Name	Manufacturer name	Condition
1	Orthopedic & Surgical Aids such as knee cap, LS belts, abdominal belt, walker, walking sticks etc	Sham Surgicals	Working
2	Different Types of bandages such as sterile gauze, cotton, crepe bandages, roll bandage etc	Cottex Mill	Working
3	Mannequins for CPR-1 (with indication Signals)	Alpha Meditech	Working
4	Mannequins for injection IV Arm	Alpha Meditech	Working
5	Variety of Needles	Safeway	Working
6	Variety of Syringes	Nihal Manufacturing	Working
7	Variety of catheters	Romsons	Working
8	IV set	Romsons	Working
9	Urine Bag	Pyramid Industries	Working
10	RYLE's tube	Romsons	Working
11	Urine pots	Pyramid Industries	Working
12	Colostomy bags	Three Sales Pvt.Ltd.	Working
13	Oxygen masks	Romsons	Working
14	Inventory Software for Retail Pharmacy		Working

Table No. 6.8



6.3.5 Model Pharmacy (PH-204)

S. No.	Name	Minimum required Nos.for D.Pharm 60 intake
1	<ul style="list-style-type: none"> • Empty cartons of variety medicines(across variety dosage forms) • Various name plates indicating different parts of Pharmacy, • Proper arrangement of medicines, shelves, racks, drawers • Box/area for expiry medicines, • Display windows, shelves • Computer • Refrigerator • Designated patient counselling area, • Patient Information Leaflets/Cards • Patient waiting area, • Drug Information books • Health information display, • Various devices for screening services(B.P. monitor, glucometer etc) • Height and body weight chart • Dummy devices (eg. Inhalers) • Display of pharmacist registration, license and other licenses • Display of name of owner • Inspection book, • Lock and key arrangement for Schedule X and NDPS medicines, • Bill book(dummy) Computerstationary for bill printing 	Adequate
2	Computers: Hospital and Community Pharmacy Management software	1

Table No. 6.9

6.4 DRUG MUSEUM (PH-203) (10)**Institute Marks=10**

Drug museum is housed with racks which include many crude drugs, OTC products, prescription drugs, project files made by students, cosmetic items, models and charts. The museum is available in easily accessible area. The museum serves as a supplement for student learning activities and enables the teachers to help students increase participation in curriculum-driven models.

Table No. 6.10 Details Of Museum

S. No	Common Name	Botanical Name	Category	Main Constituent	Uses
1	Rauwolfia	Rauwolfia serpentina	Alkaloid drug	Reserpine & Rescinnamine	Hypotensive, Tranquilliser
2	Vinca	Catharanthus roseus	Alkaloid drug	Vincristine & Vinblastine	Anticancer
3	Belladonna	Atropa belladonna	Alkaloid drug	1-hyoscyamine Atropine	Anticholinergic & Antispasmodic
4	Cinchona	Cinchona calisaya	Alkaloid drug	Quinine, Quinidine, Cinchonine & Cinchonidine	Antimalarial & bitter tonic
5	Ephedra	Ephedra gerardiana	Alkaloid drug	Ephedrine & Pseudoephedrine	Anti-asthmatic
6	Vasaka	Adhatoda vasica	Alkaloid drug	Vasicine	Expectorant
7	Bael	Aegle marmelos	Tannins drug	Marmalosins	Anti-dysentric
8	Hyoscyamus	Hyoscyamus niger	Alkaloid drug	Atropine & hyoscine	Anti-cholinergic
9	Coffee seed	Coffea arabica	Alkaloid drug	Caffeine & Theophylline	CNS stimulant
10	Nux vomica	Strychnos nuxvomica	Alkaloid drug	Strychnine, Brucine	CNS stimulant, bitter stomachic & tonic
11	Opium	Papaver somniferum	Alkaloid drug	Morphine & codeine	Narcotic analgesic
12	Tobacco	Nicotiana tabacum	Alkaloid drug	Nicotine	CNS stimulant
13	Ipecac	Cephaelis ipecacuanha	Alkaloid drug	Emetine & Cephaeline	Antiamoebic, emetic & Expectorant



14	Shankhpushpi	Conscora decussata	Alkaloid drug	Triterpenes, alkaloids & xanthenes	Nerve Tonic
15	Punarnava	Boerhaavia diffusa	Alkaloid drug	Punarnavine alkaloid	Diuretic & Expectorant
16	Aconite	Aconitum napellus	Alkaloid drug	Aconine & aconitine	Anti-rheumatic
17	Ergot	Cleviceps purpurea	Alkaloid drug	Ergometrine & ergotamine	Oxytocic
18	Ashwagandha	Withania somnifera	Alkaloid drug	Withanine, Somniferine & Withanolide	Sedative & Anti-rheumatic
19	Colchicum	Colchicum autumnale	Alkaloid drug	Colchicine & Demecolcine	In treatment of Gout & induction of polyploidy
20	Amla	Emblca officinalis	Tannins drug	Vitamin C , Phyllembin and tannins	Diuretic , laxative & ingredient of Triphala churna
21	Myrobalan	Terminalia chebula	Tannins dug	Chebolic acid, chebulagic acid & gallic acid	Astringent, purative and ingredient of Triphala churna
22	Tannic Acid	Quercus infectoria	Tannins drug	Gallic acid & glucose	Astringent
23	Galls	Quercus infectoria (Oak tree)	Tannins drug	Tannic acid	Astringent , Abortifacient
24	Baheda	Terminalia belerica	Tannins drug	Tannins	Astringent & laxative
25	Pale catechu	Uncaria gambier	Tannins drug	Catechin & catechutannic acid	Astringent for treatment of diarrhoea
26	Black Catechu	Acacia catechu	Tannins drug	Catechin	Astringent
27	Agar	Gelidium ,Gracilaria	Carbo-hydrate	Mucilage	Culture media
28	Guggal	Commiphora mukul	Resin & Resin combination	Oleo gum resin	Anti-rheumatic
29	Myrrh	Commiphora molmol	Resin & its combination	Oleo gum resin	Anti-septic, carminative



30	Male fern	Dryopteris filix-mas	Resin & Resin combination	Oleo resin	Anthelmintic
31	Asafoetida	Ferula foetida	Resin & Resin combination	Resin, gum & volatile oil	Stimulant, carminative, antifatulent
32	Benzoin	Styrax benzoin	Resin & Resin combination	Balsamic acid	Anti-septic
33	Ginger	Zingiber officinale	Resin & Resin combination	Volatile Oil , zingiberene, gingerols & resin	Aromatic, carminative & flavouring agent
34	Podophyllum	Podophyllum peltatum	Resin	Podophyllotoxin	Anti-cancer
35	Liquorice	Glycyrrhiza glabra	Glycoside	Glycyrrhizin,isoliquiritin	Expectorant
36	Eucalyptus oil	Eucalyptus globulus	Volatile oil	Volatile oil, resins etc	Antiseptic and expectorant
37	Capsicum	Capsicum annum	Resins	Volatile oil, resins, alkaloids	Counter-irritant , rubifacient
38	Turpentine oil	Pinus longifolia	Volatile oil	Volatile oil , resins	Skin diseases
39	Black pepper	Piper nigrum	Volatile oil	Piperine, Peroline A & B	Carminative
40	Clove	Eugenia caryophyllus	Volatile oil	Eugenol	Carminative
41	Cardamom	Elettaria cardamomum	Volatile oil	Volatile oil & cineole	Carminative
42	Pudina	Mentha piperita	Volatile oil	Menthol , d-menthone	Carminative
43	Fennel	Foeniculum vulgare	Volatile oil	Volatile oil & anethole	Carminative
44	Ajowan	Trachyspermum ammi	Volatile oil	Thymol	Carminative
45	Picrorrhiza	Picrorrhiza kurroa	Glycosides	Picrorrhizin	Bitter tonic
46	Pipal	Ficus religiosa	Tannins	Tannins & other phenolic cons	Astringents & in gonorrhoea
47	Kalmeg	Andrographis paniculata	Glycosides	Glycosides, kalmeghin	Bitter tonic



48	Silk	Bombax mori	Protein	Fibroin	Surgical fibre
49	Absorbent cotton	Gossypium herbaceum	Carbo-hydrate	Cellulose	Surgical fibre
50	Curcuma	Curcuma longa	Volatile oil	Curcuminoids	Anti-septic
51	Neem	Azadirachta indica	Volatile oil	Azadirachtin	Anti-septic
52	Cannabis	Cannabis sativa	Resins	Tetrahydro-cannabinol	Hallucinogenic
53	Gelatin	Animal bones	Protein	Protein glutin	Capsule shells
54	Wool Fat	Ovis aries	Lipid	Fats	Ointment base
55	Kaolin	Feispar of granite	Mineral	Aluminium silicate	Excipient
56	Guar gum	Cyamopsis tetragono-lobus	Carbo-hydrate	Guaran	Thickening agent
57	Arachis oil	Arachis hypogea	Lipids	Fatty acids	Solvent for injections
58	Tragacanth	Astragalus gummifer	Carbo-hydrate	Polysaccharides	Emulsifying agent
59	Bees Wax	Apis mellifica	Lipids	Myricin	Cosmetics
60	Starch	Solanum tuberosum	Carbo-hydrate	Amylose, amylopectin	Nutrient
61	Sandalwood	Santalum album	Volatile oil	Santalol	Flavouring agent
62	Vidang	Embelia ribes	Volatile oil	Embelin, embnelinol	Anthelmintic
63	Gymnema	Gymnema sylvestre	Amino acid, resins	Albumin, organic acids	Anti-diabetic
64	Brahmi	Centella asiatica	Glycosides	Asiaticoside, brahmoside	Brain tonic
65	Gokhru	Pedalium murex	Glycosides	Saponins	Diuretic
66	Cod liver oil	Gadus morrhua	Lipids	Glycerides esters	Source of vitamin A & nutritive
67	Squill	Urginea maritima	Glycosides	Cardiac glycosides	Stimulant & expectorant
68	Vaj	Acorus calamus	Volatile oil	Asarone	In gastric diseases



69	Jatamansi	Nardostachys jatamansi	Volatile oil	Jatamansone	Aromatic & bitter tonic
70	Arjuna	Terminalia arjuna	Tannins	Arjunine, arjunitine	Diuretic & astringent
71	Linseed	Linum usitatissimum	Carbo-hydrate	Mucilage	Laxative
72	Senna	Cassia angustifolia	Glycoside	Sennoside A & B	Laxative
73	Digitalis	Digitalis purpurea	Glycoside	Digitoxin & Purpurea glycoside A & B	CCF & Diuretic
74	Rhubarb	Rheum palmatum	Glycoside	Rhein, emodine	Laxative
75	Castor seed	Ricinus communis	Fixed oil	Ricinoleic acid	Purgative
76	Castor oil	Ricinus communis	Fixed oil	Ricinoic acid	Laxative
77	Aloe	Aloe vera	Glycoside	Barbaloin & aloe emodin	Laxative
78	Honey	Honeycomb of Apis mellifica	Carbo-hydrate	Glucose & fructose	Nutritive , in cough
79	Shatavari	Asparagus racemosus	Glycoside	Shatavarine	Anti-oxytocic
80	Acacia	Acacia Senegal	Carbo-hydrate	Arabin, enzyme oxidase	Emulsifying agent





Drug Museum (PH-203)

LIST OF PROJECT FILES IN MUSEUM

- INSULIN
- ANTI-HYPERTENSIVE
- DIURETICS
- ANTI-MALARIAL
- ANTI-INFLAMMATORY
- ANTI-ANGINAL
- ANTI-ARRHYTHMIC
- ANTI-CANCER
- LOCAL ANAESTHATIC
- ANTI-DEPRESSANTS
- ANTI-GOUT
- NSAIDs
- ANTI-EPILEPTIC
- DRUGS ACTING ON RESPIRATORY SYSTEM
- HYPNOTICS & SEDATIVES
- SULFONAMIDES
- ANTI-CONVULSANTS

LIST OF MODELS IN MUSEUM

- THE HUMAN BODY(eye , ear, external ear)
- MUSCLES
- SKELETON, CRANIAL BONES
- DIGESTIVE GLANDS
- RESPIRATORY APPARATUS, MOUTH, TEETH
- NERVOUS SYSTEM, SECTION OF BRAIN
- CIRCULATORY APPARATUS, HEART & BLOOD VESSELS
- OLFATORY ORGAN, ORGAN OF TASTE
- FROG DISSECTION

LIST OF CHARTS IN MUSEUM

- T.S. of BELLADONA ROOT
- T.S. of KURCHI BARK
- T.S. of CORIANDER FRUIT
- T.S. of RAUWOLFIA ROOT
- T.S. of ISPAGHULA SEED
- T.S. of FENNEL FRUIT
- T.S. of CARDAMOM SEED
- T.S. of LIQUORICE ROOT
- T.S. of DIGITALIS PURPUREA
- T.S. of CLOVE FLOWER BUD
- T.S. of VASAKA LEAF
- MALE REPRODUCTIVE SYSTEM
- CIRCULATORY SYSTEM
- SALE PROMOTION
- SUMMARY OF ENDOCRINE GLANDS



6.5 Medicinal Plant Garden (10)**Institute Marks= 10**

The medicinal & aromatic plants garden is a resource for the study of herbal medicines. Hence, there was an approach to develop a medicinal and aromatic plant garden in the college premises.

Botanical Garden –

Medicinal & Aromatic plant garden: This is located in front of college library and extended over an area of 35 feet x 120 feet. This garden has medicinal plants grown for teaching of pharmacy students.

OBJECTIVES

The objective of having Botanical Garden is to apply knowledge related to identification of medicinal & aromatic plants and to disseminate this knowledge through student's education. The focus is on the knowledge of practical performed in pharmacognosy syllabus, the role of plants in indigenous society, identification techniques.

There are about 40 varieties of medicinal and aromatic plants in the garden. The garden has been making significant practical contribution to manifold the effect of curriculum based lectures in Pharmacognosy.

Table No. 6.11 List of drugs available in Botanical Garden

S. No	Common Name	Botanical Name	Family	Category	Main Constituent	Uses
1.	Arjuna	Terminalia arjuna	Combretaceae	Tannins	Arjunine , arjunitine	Diuretic & astringent
2.	Acacia	Acacia senegal	Leguminosae	Carbo-hydrate	Arabin, enzyme oxidase	Emulsifying agent
3.	Pinus	Pinus sylvestris	Pinaceae	Volatile oil	Lignin & cellulose	Antiseptic & diuretic
4.	Lemon grass	Cymbopogon flexuosus	Graminae	Volatile oil	Citral	Cosmetics
5.	Elaichi	Elettaria cardamom-mum	Zingiberaceae	Volatile oil	Volatile oil & cineole	Carminative
6.	Dal chini	Cinnamomum zeylanicum	Lauraceae	Volatile oil	Volatile oil & Cinnamic aldehyde	Carminative



7.	Lavang	Eugenia caryophyllus	Myrtaceae	Volatile oil	Eugenol	Carminative
8.	Sada bahar	Catharanthus roseus	Apocynaceae	Alkaloid drug	Vincristine & Vinblastine	Anticancer
9.	Vasaka	Adhatoda vasica	Acanthaceae	Alkaloid drug	Vasicine	Expectorant
10.	Tulsi	Ocimum sanctum	Labiatae	Volatile oil	Eugenol & Estragole	Expectorant
11.	Pudina	Mentha spicata	Labiatae	Volatile oil	Menthol & menthone	Carminative
12.	Haldi	Curcuma longa	Zingiberaceae	Volatile oil	Curcuminoids	Anti-septic
13.	Hing	Ferula foetida	Umbelliferae	Resin & Resin combinations	Resin, gum & volatile oil	Stimulant, carminative, antifatulent and flavour
14.	Arind	Ricinus communis	Euphorbiaceae	Fixed oil	Ricinoleic acid	Purgative
15.	Bael	Aegle marmelos	Rutaceae	Tannins drug	Marmalosins	Anti-dysentric
16.	Ashwa-gandha	Withania somnifera	Solanaceae	Alkaloid drug	Withanine, Somniferine & Withanolide	Sedative & Anti-rheumatic
17.	Datura	Datura stramonium	Solinaceae	Alkaloid drug	Atropine	Stomach & intestinal pain
18.	Ashoka	Saraca asoca	Fabaceae	Glyco-side	Flavonoids, Saponins	Antioxytotic
19.	Neem	Azadirachta indica	Meliaceae	Volatile oil	Azadirachtin	Anti-septic
20.	Amla	Emblica officinalis	Euphorbiaceae	Tannins drug	Vitamin C , Phyllemblin and tannins	Diuretic , laxative & ingredient of Triphala churna
21.	Harad	Terminalia chebula	Combretaceae	Tannins dug	Chebukic acid, chebulagic acid & gallic acid	Astringent, stomachic, purative and ingredient of Triphala churna



22.	Baheda	Terminalia belerica	Combretaceae	Tannins drug	Tannins	Astringent & laxative
23.	Giloy	Tinospora cordifolia	Menisperm- aceae	Volatile oil	Giloin , Tinospori- dine	Antioxidant
24.	Orange	Citrus aurantium	Rutaceae	Volatile oil	Citral, Vitamin C	Flavouring agent, Carminative
25.	Lemon	Citrus limon	Rutaceae	Volatile oil	Vitamin C , Hesperidine	Carminative, Stomachic
26.	Aloe	Aloe vera	Liliaceae	Glyco- side	Barbaloin & aloe emodin	Laxative
27.	Cannabis	Cannabis sativa	Cannabin- aceae	Resins	Tetrahydroca nnabinol	Hallucinogic
28.	Imli	Tamarindus indica	Leguminosae	Carbo- hydrates	Tartaric acid	Laxative
29.	Jamun	Syzyium aroma-ticum	Myrtaceae	Glyco- sides	Kaempferol, quercetin	Antidiabetic
30.	Hamelia	Hamelia patens	Rubiaceae	Alkaloids	Ephedrine & tannins	Antirheu- matic
31.	Shatavari	Asparagus racemosus	Liliaceae	Glyco- side	Shatavarin	Anti- oxytocic
32.	Eucalypt us	Eucalyptus globulus	Myrtaceae	Volatile oil	Volatile oil, Resins etc	Antiseptic and expectorant
33.	Amaltas	Cassia fistula	Caesalpini- aceae	Glyco- sides	Anthraqui- nones	Antipyretic , anti- inflamm- atory
34.	Haar shingar	Nyctanthes arbortristis	Oleaceae	Resin	Benzoic acid, glucose, ascorbic acid	Antioxidant, anti- inflammatory
35.	Aaroo	Prunus persica	Rosaceae	Carbo- hydrates	Amygdalin & prunasin	Antioxidant, vitamin C





Medicinal Plant Garden

6.6 Provision of Jan Aushadi drug store (5)**Institute Marks=4****DISPENSARY**

In order to provide medical facilities to the students a dispensary is established within the campus that caters to basic medical requirements and provides first-aid in unforeseen emergencies. It contains all the medicines which are commonly required for first-aid purpose. It serves the need of all the students and staff of the college.

Students of Pharmacy department organize camps such as Eye checkup, blood donation, monitoring Blood pressure, Blood glucose testing from time to time. Dispensary is managed by Shri Suman Sharma registered pharmacist.

Free medicines are also given to faculty and students from college dispensary.



General body checking at dispensary

6.7 Adequacy and utilization of Machine Room (5) Institute Marks =5**Table No. 6.12**

S. No.	Name	Minimum required Nos.	Available
1	Capsule filling machine	1	1
2	Automated Single Station Tablet punching machine	1	1
3	Tablet disintegration test apparatus IP (Digital Single/Double unit)	1	2
4	Monsanto's hardness tester	2	2
5	Pfizer type hardness tester	2	2
6	Friability test apparatus (Digital Single/Double unit)	1	1
7	Sieve shaker with sieve set	1	1
8	Ointment filling machine	1	1
9	All-purpose equipment with all accessories	1	1
10	Bottle washing Machine	1	1
11	Bottle Sealing Machine	1	1
12	Liquid Filling Machine	1	1
13	Ampoule washing machine	1	1
14	Ampoule filling and sealing machine (Jet Burner)	1	1
15	Clarity test Apparatus	1	2
16	Collapsible Tube – Filling and Sealing	1	1
17	Liquid Mixer	1	1



6.8 Non-Teaching Support (10)**Institute Marks=10**

MINISTERIAL STAFF							
S.No.	Name of the Staff	Designation	Date of Joining	Qualification		Other Technical Skills Gained	Responsibilities
				At Joining	Now		
1.	Sh.Rakesh Kumar	Sr. Assist.	01 st Oct 1985	B.A.	B.A.	MS-Office	Accountancy
2.	Sh. Sushil Kumar	Sr. Assist.	28 th Oct 1997	B.A.	B.A.	MS-Office	Fee Related
3.	Sh.Shashi Bhushan	Sr. Assist.	18 th Aug 1998	B.A.	B.A.	MS-Office	Store
4.	Ms. Gurmeet Kaur	Steno/ Cashier	04 th May 1995	B.A.	B.A.	MS-Office	Accountancy
5.	Sh. Rajesh Kumar	Peon	02 nd June 2020	10+2	10+2	House-keeping Ethics	Driver
6.	Sh. Shripat	Peon	16 th Aug 1988	9 TH	9 TH	House-keeping Ethics	Hospitality
7.	Sh. Kishor Singh	Peon	08 th Jan 1996	5 TH	5 TH	MS-Office	Cleaning
8.	Sh. Om Parkash	Sweeper	16 th Aug 1988	5 TH	5 TH	House-keeping Ethics	Cleaning
9.	Sh. Vinod Kumar	Peon	08 th Aug 2022	10+2	10+2	House-keeping Ethics	Hospitality
10.	Ms. Kanti Devi	Sweeper	03 rd May 1995	Illiterate	Illiterate	House-keeping Ethics	Cleaning

Table No. 6.13

6.8.1 Availability of adequate and qualified technical supporting staff for program specific laboratories (5) Institute Marks= 5

Our institute has adequate availability of physical infrastructure as per PCI norms and has appointed qualified laboratory attendants, peons, sweepers, gardeners, plumbers, electrician and caretaker etc. for the maintenance of amenities. Non-teaching and technical staff play a vital role in ensuring smooth running of laboratories. They are assigned to task of assisting teachers and students while performing experiments. Laboratories are maintained by respective staff-in-charge and attendants, and regularly supervised by the HOD. Minor repairs are attended to immediately after being pointed out by lab staff and teacher-in-charge. All the members effectively work as team and monitor utilization of laboratories by students. SOPs for equipment are displayed for proper use of equipment. Log books are maintained for effective utilization of instruments and equipments.

At the end of each session, physical verification of glass ware and chemicals is done and working conditions of the equipments are assessed. Detail of breakage by students in laboratories are entered in the breakage register and reported to the HOD and faculty-in-charge. Suitable measures are then taken.

TECHNICAL SUPPORTING STAFF							
S. NO	Name of the Staff Member	Designation	Date of Joining	Qualification		Other Technical Skills Gained	Responsibilities
				At Joining	Now		
1.	Sh. Malkiat Bhatti	Lab Attendant	18 th Dec 1989	10+2	10+2	Record keeping Instrument Handling and Other Working	Lab
2.	Sh.Hari Pal Nagar	Lab Attendant	29 th Jan 1990	10+2	10+2	MS- Office Record keeping Instrument Handling and Other Working	Lab
3.	Sh. Suman Kumar	Lab Technician	1 st Aug 2022	Diploma Pharmacy	Diploma Pharmacy	MS-Office Record keeping Instrument Handling and Other Working	Lab

Table No. 6.14



6.8.2. Incentives, skill upgrade and professional advancement (5)**Institute Marks=5**

The institution offers its faculty 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. Institution also provides annual loan as per govt. rule for the non-teaching staff without any interest for the purpose of a wheat loan.

6.8.2.1 Skill Upgrade (Non-Teaching Staff)

Year	Skill Development Program / Work Shop /Training
2019	Handling of Machine and Equipment's
	Fire and Safety Training Program
2020	Measurement of BP and its significance and Blood Glucose Testing
	House-keeping Management
	Peons Training Management
2021	Handling of Computer: Basics in MS –Word and Excel Documents
	Documentation of Glasswares, Machines, Equipments etc.

Table No. 6.15

6.8.2.2 Detail of the workshops /Seminars / conference / guest lectures attended by the faculty for the past 3 years

S.No	Type of Activity	Name of the Faculty	Title of Event	Year	Date	Place
Session : 2020-2021						
1	Workshop	Dr Sanjay Bansal	OBE Implementation Step towards Excellence	2020-2021	19-10-2020	Mehr Chand Polytechnic College
Session : 2021-2022						
1	NBA Workshop	Dr Sanjay Bansal	NBA Accreditation Process	2021-2022	21-09-2021	Mehr Chand Polytechnic
2	NBA Workshop	Dr Sanjay Bansal	NBA Accreditation Process	2021-2022	15-12-2021 & 16-12-2021	Mehr Chand Polytechnic College
3	NBA Workshop	Mr. Sundip Kumar	NBA Accreditation Process	2021-2022	21-09-2021	Mehr Chand Polytechnic College
4	NBA Workshop	Mr. Sundip Kumar	NBA Accreditation Process	2021-2022	15-12-2021 & 16-12-2021	Mehr Chand Polytechnic College
5	NBA Workshop	Dr Savita Kumari	NBA Accreditation Process	2021-2022	21-09-2021	MCP College
6	NBA Workshop	Dr Savita Kumari	NBA Accreditation Process	2021-2022	15-12-2021 & 16-12-2021	Mehr Chand Polytechnic College
7	NCC Training	Mr. Pankaj Gupta	NCC Annual Training Camp	2021-2022	22-30 Oct 2021	Layalpur Khalsa College, Jal
8	NBA Workshop	Mr. Karninder	Five Days online NBA Accreditation Process	2021-2022	2021-2022	Mehr Chand Polytechnic College



Session : 2021-2022						
1	NBA Workshop	Dr Sanjay Bansal	NBA Accreditation Process	2022-2023	16-05-22	MCPC
2	NBA Workshop	Mr Sundip Kumar	NBA Accreditation Process	2022-2023	16-05-22	MCPC
3	NBA Workshop	Dr Savita Kumari	NBA Accreditation Process	2022-2023	16-05-22	MCPC
4	NBA Workshop	Mrs Meena Bansal	NBA Accreditation Process	2022-2023	22-04-22 & 23-04-22	MCPC
5	NBA Workshop	Mr. Sundip Kumar	NBA Accreditation Process	2022-2023	22-04-22 & 23-04-22	MCPC
6	NCC Workshop	Mr. Pankaj Gupta	NCC Training	2022-2023	31-07-22 & 19-07-22	DAVIET, Jal.
7	NCC Workshop	Mr. Pankaj Gupta	NCC Training	2022-2023	19-07-22 TO 07-08-22	Officer Training Academy, Kamptee Nagpur
8	NBA Workshop	Dr Savita Kumari	NBA Accreditation Process	2022-2023	22-04-22 & 23-04-22	MCPC

Table No. 6.16



Self-Assessment for Criterion 06

S.No.	Assessment Parameters	Marks	
		Prescribed	Institute
6	Facilities	100	97
6.1	Availability of adequate, well-equipped classrooms to meet the curriculum requirements	05	05
6.2	Faculty Rooms	05	05
6.3	Laboratories including preparation room, machine room along with equipment and relevant facilities	50	50
6.4	Drug Museum	10	10
6.5	Medicinal Plant Garden	10	10
6.6	Provision of Jan Aushadi drug store	05	04
6.7	Adequacy and utilization of Machine Room	05	05
6.8	Non-Teaching Support	10	10
6.8.1	Availability of adequate and qualified technical supporting staff for program specific laboratories	05	05
6.8.2	Incentives, skill upgrade and professional advancement	05	05
Total Marks		100	99
Percentage		99%	



CRITERION 7	Continuous Improvement	30
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7.1 Improvement in Success Index of Students (10) Institute Marks= 09

Items	2022-23	2021-22	2020-21
Success index (from 4.2.1)	0.75	0.98	0.96

*Latest Passed out Batch and m1 & m2 indicate minus one year and minus two years respectively

$SI = (\text{Number of students who have passed from the program in the stipulated period of course duration}) / (\text{Number of students admitted})$

Assessment shall be based on improvement trends in success indices. Marks are awarded accordingly.

7.2 Improvement in Academic Performance in Final Year (10)

Institute Marks= 07

Assessment is based on improvement in:

Items	2022-23	2021-22	2020-21
Academic Performance Index (from criteria 4.3)	5.39	7.19	7.32

Table No. 7.1

7.3 Improvement in laboratories (10)

Institute Marks= 10

New Facility created in the program during the last three years

Table No. 7.2 (Equipments purchased during 2019-20)

S.No.	Name Of Item	Category	Manufacturer	Quantity	Date
1	Incubator	Equipment	Sitlay India	1	06/03/2019
2	Disintegration test	Equipment	Popular Traders	1	06/03/2019
3	Hot air oven	Equipment	Sitlay India	1	06/03/2019
4	Dissolution rate test	Equipment	Popular Traders	1	06/03/2019
5	Smart Board	-	-	1	09/03/2019



Table No. 7.3 (New Facility created during 2020-2021)

Smart Class Room- A smart class has been created in the department. It is equipped with smart board, LCD Projector, wireless keyboard, wireless mouse, benches, table & podium.

S.No.	Name Of Item	Quantity	Manufacturer	Date
1	Desk	15	Rajindera Furniture	14/03/2020
2	Desk	25	Rajindera Furniture	18/03/2020
3	Web cam	2	HAIYC	09/12/2020

Whatsapp Group- Whatsapp groups of 1st and 2nd year were created separately for attending the Zoom meetings.

Peer Groups- Peer groups of 1st and 2nd year students were created and one student from each group was selected as Team leader.

Email ID- Email-id's of 1st and 2nd year students were collected for E-sharing and also departmental email-id was created.

New Facility created during 2021-22

Model Pharmacy- A model pharmacy has been created under the rules and regulations of Education Regulations 2020. It consists of the display of medicines, charts, a PC and medical devices such as thermometer, oxymeter, stethoscope, sphygmomanometer drug info books, bill book, designated patient counseling area, patient waiting area, health info book, height vs weight charts and computer model.

Peer Groups- Peer groups of 1st and 2nd year students were created and one student from each group was selected as Team leader.

Email ID- Email-ids of 1st and 2nd year students were collected for E- sharing.

AWS (Academically weaker students)- Groups of AWS students were created and daily assignments & work is given to write on notebooks.



Table No. 7.4 (Equipments purchased during 2021-22)

S.No.	Name Of Item	Category	Manufacturer	Quantity	Date
1	HB Meter	Equipment	Marienfeld Laboratory Glassware	5	28/03/2022
2	Haemocytometer	Equipment	Silver Lite, Rohem India	10	28/03/2022
3	Dropper Large Glass	Apparatus	Navbharat Chemicals	20	28/03/2022
4	Micropipette	Apparatus	Navbharat Chemicals	15	28/03/2022
5	Test Tube Brush	Apparatus	Navbharat Chemicals	20	28/03/2022
6	Anti-ABD Kit	Equipment	Merisera	1	28/03/2022
7	Capillary Tube	Apparatus	Navbharat Chemicals	1 set	28/03/2022
8	HB Tube	Equipment	Marienfeld Laboratory Glassware	10	28/03/2022

Table No. 7.5 (Equipments purchased during 2022-2023)

S.No.	Name of Item	Category	Quantity	Date
1	Ointment slab	Apparatus	1	30/01/2023
2	Andreason pipette	Equipment	1	30/01/2023
3	Buchner funnel	Apparatus	1	30/01/2023
4	Digital melting point app	Equipment	2	16/03/2023
5	Stage microscope	Equipment	4	16/03/2023
6	Tablet making machine motorized	Apparatus	1	16/03/2023
7	Bottle washing machine	Apparatus	1	16/03/2023
8	Liquid filling machine	Apparatus	1	16/03/2023
9	Infrared thermometer	Equipment	1	16/03/2023
10	Digital thermometer	Equipment	10	16/03/2023
11	Oximeter	Equipment	5	16/03/2023
12	Desiccator	Apparatus	5	16/03/2023
13	Model stature meter	Apparatus	1	16/03/2023
14	Glucometer	Equipment	8	16/03/2023
15	PPE kit	Apparatus	5	16/03/2023
16	Stalagmometer	Equipment	5	16/03/2023
17	Visco meter	Apparatus	1	16/03/2023



18	Orthopaedical & Surgical aids	Apparatus	1	16/03/2023
19	Mannequin for CPR	Apparatus	2	16/03/2023
20	Catheters	Apparatus	5	16/03/2023
21	IV set	Apparatus	20	16/03/2023
22	IV set	Apparatus	5	16/03/2023
23	Urine bag	Apparatus	2	16/03/2023
24	Ryle's tube	Apparatus	2	16/03/2023
25	Urine pot with lid	Apparatus	2	16/03/2023
26	Colostomy bag	Apparatus	2	16/03/2023
27	Bottle cap sealing machine	Apparatus	1	16/03/2023
28	Water testing kit (for total hardness)	Apparatus	2	16/03/2023

Peer Groups- Peer groups of 1st and 2nd year students were created and one student from each group was selected as Team leader.

Email ID- Email-ids of 1st and 2nd year students were collected for E- sharing.

AWS (Academically weaker students) - Groups of AWS students were created and daily assignments & work is given to write on notebooks



Self-Assessment for Criterion 07

S.No.	Assessment Parameters	Marks	
		Prescribed	Institute
7	Continuous Improvement	30	26
7.1	Improvement in Success Index of Students	10	9
7.2	Improvement in Academic Performance in Final Year	10	7
7.3	Improvement in laboratories	10	10
Total Marks		30	26
Percentage		86.7%	



CRITERION 8	Governance, Institutional Support and Financial Resources	60
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8.1 Organization, Governance and Transparency (25)

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

Institute Marks = 10

DAV College Managing Committee familiarly known as DAVCMC with its Headquarters at New Delhi.

- It is a non-government educational organization with 900 schools , 75 colleges & universities in India & overseas (Fiji, Nepal, Mauritius, Singapore)
- It is based on Ideas of maharishi Dayanand Saraswati, comprising schools & colleges offering graduate & post graduate degrees in areas of study all over world.
- In 2013, associated chambers of commerce and industry of India awarded 40 institutions for its contribution to quality education. **ASSOCHAM awarded DAV College Managing Committee with best chain of schools in India award.**
- Trusted by both public as well as private sectors, DAVCMC manages over hundred projects & semi project schools for blue chip corporate houses such as ACC, TATA, RELIANCE, and ADANI and Public sector corporations such as BHEL GAIL, SECL etc.
- DAVCMC also discharges its social responsibility by running Ashrams & Orphanages for underprivileged & destitute children & women.
- DAVCMC has its glorious past steeped in history of India with more than 133 years long career span, DAV students have emerged as leaders, Nobel laureate, Prime Ministers, Scientists, Sports persons, Defense personnel, Actors, Media persons, CEO's etc. making meaningful contributions to economic & social development of India.



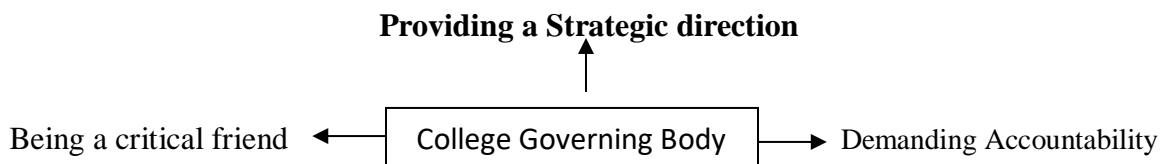
(A) **GOVERNING BODY OF MCPC, JALANDHAR****Table No. 8.1 (List of members of Governing Body of MCPC)**

Sr. No	Name	Designation
1.	Dr. Punam Suri	In the chair President DAV CMC
2.	Mr. Justice Pritam Pal	Vice- President DAV CMC
3.	Sh. Ajay Suri	General Secretary DAV CMC
4.	Sh. Ajay Goswami	Member, DAV CMC
5.	Sh. Shiv Raman Gaur (Retd. IAS)	Director Higher Education
6.	Dr. Sanjeev Naval	Principal DAVIET, Jalandhar
7.	Dr. Darshan Sidhu, Addl. Director	Representing Director Technical Education, Punjab
8.	Sh. Sanjeev Goyal, Registrar	Representing (Punjab State Board of Technical Education)
9.	Sh. Vijay Kumar Sharma	Principal , DJTS, Jalandhar
10.	Major Pankaj Gupta	Representing-staff
11.	Dr Kapil Ohri	-do-
12.	Dr. Jagroop Singh	Principal/ Secretary

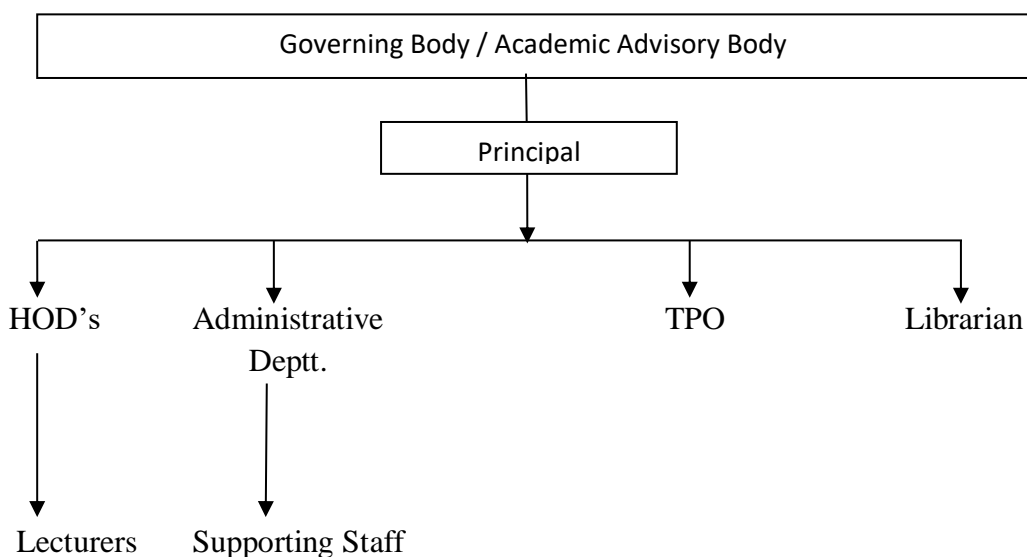
Governing Body Functions:

- To determine the policies of institution within the context of community needs.
- To see that proper professional standards are defined & maintained & properly implemented.
- To protect & enhance the institution's reputation, performance, morale and credibility.
- All recruitments of teaching faculty/ principal shall be made by governing body/ State government as application in accordance with policies laid down by AICTE & State government from time to time.
- Institute Scholarships, Medals, Prizes & certificates on the recommendations of academic council.
- To approve annual college Budget.
- To ensure sound, proper & effective use of college financial resources, i.e. making sure that college money is well spent.





(B) Administrative Set-up of Mehr Chand Polytechnic College



C. Functions of Various Bodies

a)

Academic Council Responsibilities (Student Teacher Council)

1. It is a group of student leaders who work with an Adult advisor to collaborate with others to impact their college community, which impacts their city, state or country, which changes the world.
2. To promote interests of students among the institute administration, staff & parents.
3. Responsibilities to promote interest of students among the institute administration, staff & parents.
4. To identify & help to solve problems encountered by the students in the institute.
5. To consult students on any issue of importance.
6. To organize educational & recreational activities for students.



Functions

1. A council Acts as a powerful leadership & learning opportunities, Serves as a Voice for the entire Student body & actively works with Mentors, Advisors, Teachers to promote a better learning environment.
2. Councils promote a sense of personal responsibility among the students, Boosting their confidence & also improve their communication skills.
3. Academic council is a principal Academic body of the institute & by Rules and By - Laws shall have the control over & be responsible for maintenance of standards of
 - Education
 - Teaching
 - Training
 - Interdepartmental Co- ordination
 - Research
 - Examinations
 - Tests.
4. To design & develop programmes of study. To establish structures to implement those programmes.
5. To make recommendations relating to selection, Admission, Retention & Exclusion of students.
6. To make recommendations for awarding of scholarships, prizes & awards.

b)

Sports Committee

Functions

1. "A healthy body is a healthy mind"
2. To organize sports so that students can learn to keep themselves physically fit.
3. To create zeal amongst students & faculty members towards sports.
4. To enhance the interest of participants in the field of sports.
5. To arrange for better coaching facilities & sports accessories.
6. To provide necessary infrastructure for sports.



7. To organize regular sports events in order to train students for States & national level competition in football, cricket, Basketball, Volleyball, and Badminton etc.

c)

Alumni Committee:**Functions:**

1. To interact with students who have passed out & working in different areas of country/ Abroad.
2. To arrange & organize "Alumni Meet" to facilitate the reunion of an Alumni.
3. To share & convey the experiences of Alumni to current students for their holistic development.
4. Alumni from all different batches come across all programmes , come together to bond with the institute & relive their old Memories.
5. Alumni serve valuable roles, helping to build & grow an Institution's brand through **word-of-mouth Marketing**.

d)

Anti - Ragging Committee

- To maintain proper Discipline & Decorum as per guidelines of Hon'ble Apex court an Anti - Ragging Committee is constituted.
- Anti -Ragging Squad will have visit, Oversight & Patrolling functions to ensure.
- That there is no Ranging in college campus or hostel.
- Arrange periodical & surprise visits to hostel, classes & Canteen by squad members.
- Monitor Anti-ragging activities in the institution, consider the recommendation of Anti Ragging Squad & take appropriate decisions.
- Implementation of government directions against Ragging including submissions of undertakings.
- Undertaking by students/Parents/guardian has to be submitted to root out ragging in all forms from the college.



Table No. 8.2 (List of members of Anti - Ragging Committee)

S.No	Name	Designation	Mobile No	Email-ID
1.	Dr. Rajeev Bhatia	Incharge	98158-40958	rajeev.mcpjal@gmail.com
2.	Sh. Kashmir Kumar	Lect. Electrical	98150-11935	Kk1965mcp@gmail.com
3.	Ms. Manju Manchanda	Incharge Appl.Sc.	98882-56464	manju142666@gmail.com
4.	Sh. Sundip Kumar	Lect. Pharmacy	98720-38823	sundipkumar23@gmail.com
5.	Sh. Pankaj Gupta	Lect. Pharmacy	94179-12150	panbinkrish@gmail.com
6.	Sh. Kapil Ohri	Lect. Civil	98880-46016	erkapilohri9@yahoo.com
7.	Sh. Gaurav Sharma	Lect. Mech.	81466-27007	
8.	Sh. Amit Khanna	Lect. Civil	81466-03663	
9.	Sh. Kanav Mahajan	Lect. Civil	95014-24372	
10.	Sh. Vikramjit Singh	Lect. Elect.	94635-75594	
11.	Sh. Prabhu Dyal	Lect. Mech.	62841-46235	
12.	Sh. Manish Sachdeva	Lect. ECE	98039-63928	
13.	Sh. Shivam Arora	Lect. Comp	73073-06867	
14.	Sh. Durgesh Kumar	W/S Instr	94173-97731	
15.	Sh. Kulwinder Singh	W/S Instr	98722-26333	
16.	Sh. Ajay Dutta	Draftsman	95010-27887	

e) **Finance Committee**

Overseeing the financial dealings of the organization

Functions

1. Approve & renew the college annual budget.
2. Act as an advisory body to Governing body to consider.
3. Ensure that financial reporting requirements are fulfilled.
4. Catch any illegal, Unethical or incompetent financial dealings.
5. Budget estimates relating to grant received, Income from fees etc & Audit Accounts.
6. Protect organization from legal challenges & liability.



f) **SC/ST Welfare Committee**

SC/ST Welfare Committee has been constituted in college campus to resolve all the affairs and problems related to SC/ST Students and facilities

Functions

1. To bring the students belonging to SC/ST community at par with the main stream student body
2. To create a platform where students can point out their problems regarding academic and non-academic matters.
3. To monitor and implementation of reservation policies in the college.
4. Counseling students to help them overcome inferiority complex related to interaction with fellow students and their personal grooming etc.
5. Creating awareness among the SC/ST students regarding the various Government and Non-Government Scholarship Schemes.
6. To ensure that there is no incidence of discrimination of SC/ST students in college premises.

Table No. 8.3 (List of members of SC/ST Welfare Committee)

S. No	Name of the faculty members with designation	Contact No.	Status
1	Sh. Kashmir Kumar, Lect. Electrical	79734-27124	SC Members (Incharge)
2	Ms. Manju Manchanda , Incharge Appl.Sc.	98882-56464	Non SC Member
3	Sh. Prince Madaan, Incharge Comp.	98786-01197	Non SC Member
4	Sh. Prabhudyal, Lect. Mech. Engg.	62841-46235	SC Member
5	Sh. Sushil Kumar, Jr.Asstt.	94631-37263	Non SC Member



g) **Women Cell / Anti- Sexual Harassment Committee / ICC**

As per guidelines of AICTE and DAVCMC, the internal Complaint Committee (ICC) of the college has been reconstituted under the provision of section 4 of Sexual Harassment of women at Workplace, Prevention, Prohibition and Redressal Act, 2013.

The committee will look after the internal complaints of staff and students, especially with respect to sexual Harassment Cases. The above committee will also make an annual report of the complaints and the action taken by them in this regard.

Table No. 8.4 (List of members of Women Cell / Anti- Sexual Harassment Committee)

Sr.No	Name	Phone No.
1	Mrs.Manju Manchanda (Incharge)	98882-56464
2	Dr. Kapil Ohri (Member)	98880-46016
3	Mr Pankaj Gupta (Member)	94179-12510
4	Mr. Gurmeet Sachdeva(Member)	83604-04131
5	Ms. Deepika Sood (Outside Member from NGO Saksham)	84376-92797

Functions

1. Women's cell is to empower women & to ascertain multidisciplinary approach for the overall personality development.
2. To support the talent contribution of women.
3. Prohibition, prevention & Redressal of any problem of sexual harassment in the college.
4. Providing a dignified congenial working environment for women upholding the constitutional spirit, so that women employees & students can study, grow & explore.
5. To provide an environment free of gender-based discrimination.
6. To ensure equal access to all facilities & participation in activities of the college.



Cultural & Social Committee

Functions:

1. To provide platform to students to exhibit their talents.
2. To provide entertainment to students along with their studies.
3. To showcase their talents to outside world to get recognition.
4. To promote a dynamic cultural heritage that is preserved used & developed.
5. To inculcate leadership qualities among the students.
6. To encourage student's participation in all cultural events with necessary guidance.
7. Organize all intra & inter collegiate cultural events.
8. To provide awards / certificates to students who excel in state level/ national level cultural activities.
9. To plan & schedule cultural events for the academic year.
10. To prepare budget for all cultural events & take necessary steps for its approval.

There are some other committee existing in our institute which are considered as Inter-Woven Strengths.

(i) **Internal Rationalization Committee**

To frequently check the performance record of teachers and students in the college, a committee known as Internal Rationalization Committee has been constituted by the Principal which meets at least once in a year. The members include:

- i. Principal of the college.
- ii. Sr. HOD
- iii. Controller of Examination.

Feedback is taken from the students regarding class submissions, periodical tests, Lab practical work, engineering drawing sheets and project work. If the progress of the related subjects is not according to time schedule and syllabi prescribed by the Punjab State Board, proper instructions are issued by the Committee accordingly.



(j) Internal Quality Assurance Cell

To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution, an IQAC (Internal Quality Assurance Cell) has been created in Mehr Chand Polytechnic College. Such a cell promotes measures for Institutional functioning towards quality enhancement through internalization of quality culture and carrying out of best practices. It is directly headed by Principal of the College.

(k) Medicinal Plant Garden & Museum Committee**Functions**

1. Promotion of medicinal plants and their cultivation.
2. To maintain medicinal plant garden & Museum.
3. To arrange different species of plants that is required for practical exposure to students.
4. To authenticate, evaluate & categorize the specimens.

Table No. 8.5 (List of members of Medicinal Plant Garden & Museum Committee)

S.No	Name	Mobile No
1	Sh. Sundip Kumar	98720-38823
2	Sh. Pankaj Gupta	94179-12510
3	Sh. Abhishek	86998-70106
4	Vijay Gardener	89682-85302



8.1.2 Decentralization in working and Grievance Redressal Mechanism (05)**Institute Marks = 05**

- Decentralization in working is achieved by constitution of sub committees. All members are decision makers of their responsibilities knowledge, ideas & information are flowing from bottom to the top of the organization.

Table No. 8.6 (List of members of Grievance Redressal Committee)

Sub – committees	
1. Finance committee	Dr. Jagroop Singh (Principal)
2. Academic committee	Dr. Sanjay Bansal (HOD Pharmacy)
3. Building committee	Dr. Rajeev Bhatia
4. Library committee	Sh. Rajeev Sharma
5. Sports committee	Sh. DS Rana (HOD Electrical)
6. Cultural committee	Capt. Pankaj Gupta (Cultural President)
7. NCC	Capt. Pankaj Gupta (NCC Officer)

Academic committee is constituted to plan review & monitor & advice all matters concerning the contents & educational process of D. Pharmacy in the college.

Role & Responsibilities

- Discuss the problems regarding curriculum, syllabus & conduct of classes.
- Periodically reviewing the progress of classes.
- Discuss the teachers on nature & scope of assessment for the course & same shall be announced to students at beginning of session.
- Communicating its recommendations to principal on Academic Matters.
- Committee shall meet in a year, preferably at end of Each Session.



Grievance Redressal Cell (GRC)

The Grievance Redressal Cell aims to look into the complaints lodged by any students, staff & Parents & Redress it as per requirement.

The Committee members of cell are nominated by Principal, but students are main stake holders to ensure transparency at all stages

Objective

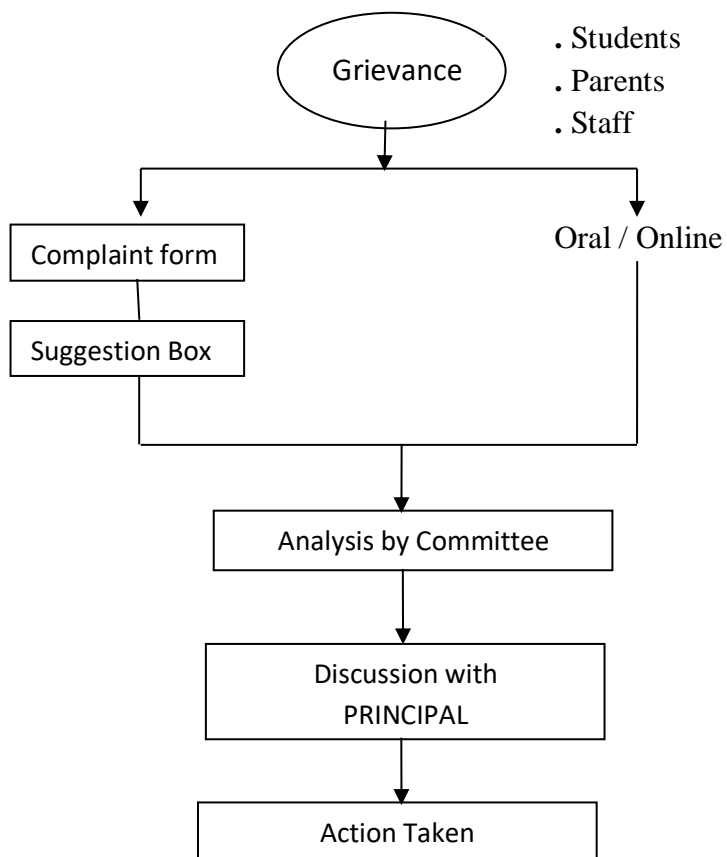
- a) To create a platform where students can point out their problems regarding academic & non- academic Matters.
- b) Get suggestions from students for improvement.
- c) Take necessary steps for improvement in the light of grievances.

Academic grievances – Grievance related to

- Assessment
- Victimization
- Attendance
- Charging of fees
- Conducting of examinations
- Completion of syllabus
- Teaching methods etc.



Grievance Redressal Mechanism



Non Academic Grievances:

Harassment by colleague

Harassment by Teachers

Harassment by fellow students



Putative Action:

Depending upon the nature & severity of the offence, one or more putative actions may be implemented.

For Employees

- Written Apology
- Warning
- With holding of Increments
- Compulsory Retirement
- Termination

For Students

- Warning
- Written Apology
- With holding Scholarship
- Rustication
- Expulsion from College

8.1.3 Delegation of Financial Powers (05)**Institute Marks = 05**

A finance committee of the college has been constituted.

- To provide financial oversight for the Institution.
- To discuss the finalization of college budget as well as to scrutinize budget proposals submitted by various departments.
- To discuss ways & means to improve the income of college, Curtail undue expenditure & to develop the institution self sufficient & self – reliant.
- To discuss matters regarding release of grant from government for smooth functioning of academic session & delegation of financial powers for:
 - a) Disbursing of salary to staff.
 - b) Purchase of equipments / Materials/ Stationary & other items.
 - c) To pay remuneration & other honorariums to staff
 - d) To carrying out construction of buildings, repairs & other civil works through construction committee.
 - e) TA/ DA of staff
 - f) To organize or arrange finance for local & outside industrial visits.
 - g) To meet petty expenses.



Table No. 8.7 (List of members of Finance Committee)

Finance Committee Members	
1. Principal	Dr. Jagroop Singh
2. Head of Department	Sh. D.S Rana
3. Office Superintendent	Sh. Rakesh Sharma
4. Senior Assistant- Accounts	Sh. Pardeep Kumar

S.no	Designation	Delegation of Financial Powers
1.	Principal	Full Powers (DAV Management, the president & Gen- secretary has conferred full Financial Powers with Principal to operate all accounts on behalf of Management.)
2.	HOD's / Incharges	Rs. 10,000 per Year (Rs. 5,000 Per Semester)
3.	Office Supdt.	To meet Expenses like Refreshments providing to Industry HR's Management & Govt. officials .
4.	T.P.O	-----do-----
5.	Faculty (With Permission of Principal)	

Published Rules, Polices & Procedures:

In exercises of power conferred by provision to article 309 of constitution of India & by the orders of Governor of Punjab our institution is governed by AICTE & follows CSR (Civil Services Rules Punjab)

1. The teaching staff of the institution shall not exceed the norms laid down by the Government of India and shall possess the requisite educational qualifications and experience as prescribed in the standard list and shall be given such scales of pay as recommended by or under the authority of A.I.C.T.E approved by the Government from time to time.
2. The pay scales to non-teaching staff shall be paid as approved by the Government from time to time subject to the approved ceiling.
3. The rates of allowances should be adopted as approved by the Govt. for the employees of institutions from time to time subject to the approved ceiling.



4. The teaching staff shall be selected by the sub – committee appointed by the Managing Committee for the purpose which will include the Director or the nominee some experts out of the panel approved by the Ministry of Education will be co-opted to assist the Sub- committee in making the selection. The appointment of principal shall however be made by the Managing Committee direct.
5. The cases of confirmations, promotions, resignations, dismissal and removal of the staff members will also be examined by the Sub- Committee and then put up to the Managing Committee for approval and then put up the Managing Committee Approval.
6. The grant shall be utilized for the purpose for which it has been sanctioned.
7. The organization shall not sell or mortgage or otherwise transfer the ownership of assets for which grant-in-aid has been received by it.
8. The accounts of the institution shall be open for inspection by the Representative(s) of the Government of India / State Government.

8.1.4 Transparency and availability of correct/unambiguous in public domain (5)

Information on the policies, rules, processes are available on college website.

Institute Marks = 05

8.2 Budget Allocation, Utilization, and Public Accounting at Institute/ Program level (20)

Table No. 8.8 (Budget Allocation, Utilization)



SAR- SELF ASSESSMENT REPORT | 2023

Items	Budgeted in CFY	Actual Exp.in CFY	Budgeted in CFY	Actual Exp.in CFY	Budgeted in CFY	Actual Exp.in CFY	Budgeted in CFY	Actual Exp.in CFY	
	2022-23	2022-23	2021-22	2021-22	2020-21	2020-21	2019-20	2019-20	
Infrastructure Build-up	928012	283976	1013422	1188316	1033133	1045107	1195740	1383446	
Library	206225	132220	225205	97282	229585	32577	265720	52653	
Laboratory Equip	0	0	0	0	0	0	0		
Laboratory consumables	206225	37354	225205	58587	229585	8176	265720	32190	
Teaching & Non-Teaching staff salary	78167000.0 0	50511257.0 0	80496900.0 0	51685300.0 0	77095800.0 0	50693669.0 0	75148000.0 0	45816325.0 0	
Training & Travel	309338	15560	337808	2258	344377	11654	398580	91584	
Misc. Expenses	412450	1301058	450410	1222365	459170	823972	531440	476727	
Others, specify (Students Fund)	1902800	1922062	2077000	1710674	2117200	918651	2448800	1659503	
Total	82132050	54203487	84825950	55964782	81508850	53533806	80254000	49512428	



SAR- SELF ASSESSMENT REPORT | 2023

Year	Total Income				Actual Expenditure			Total No. of Students	Expenditure per student
	Fee	Govt.	Grants	Other Sources (Specify)	Recurring including salaries	Non-Recurring	Special Projects/Any other,specify	Students as on Dec.	
2019-20									
Main	9617215.00		20396000.00	345799.00	45816325.00				
Boys Fund	1267887.00				1659503				
Dev.Fund	1697412				2036600				
Total	12582514.00	0.00	20396000.00	345799.00	49512428.00			546	90682
2020-21									
Main	9363250.00		26598000.00	414848.00	50693669.00				
Boys Fund	1546631.00				918651				
Dev.Fund	1484805.00				1921486.00				
Total	12394686.00	0.00	26598000.00	414848.00	53533806.00	0.00		489	601503
2021-22									
Main	8060536.00		32368000.00	125464.00	51685300.00				
Boys Fund	2614150.00				1710674				
Dev.Fund	1429563.00				2568808				
Total	12104249.00	0.00	32368000.00	125464.00	55964782.00	0.00		468	119582
2022-23									
Main	7573810.00		34368000.00	171654.00	50511257.00				
BoysFund	1162214.00				1922062				
Dev.Fund	1334671.00				1770168				
Total	10070695.00	0.00	34368000.00	171654.00	54203487.00	0.00		474	114353



8.2.1 Adequacy of Budget Allocation (10)**Institute Marks = 10**

Budget was adequate

8.2.2 Utilization of Allocated funds (10)**Institute Marks = 10**

Budget was utilized as per details given in above tables

8.3 Library and Internet (15)**8.3.1 Quality of Learning Resources (Hard/Soft) (10)****Institute Marks = 10****Relevance of available learning resources including e-resources**

Well maintained library with journals of international repute are subscribed. A dedicated section is there with computers with 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.

Table No. 8.9 (Learning resources available in Library)

Sr. No.	Learning resources available in Library	Number of Resources
1	Total No. of books	38628
2	Total No. of Titles of the Books	113
2	Total No. of Printed Journals	10 (Pharmacy 06)
3	News Paper	7
4	Magazines	5
5	Book Bank facility	Yes
6	Computers	Yes
7	Seating capacity	100

Accessibility to students

Regular timing of library is from 9:00 AM to 5:00 PM. Each student can borrow two books for 15 days and can re-issue the same for another 15 days. In special case more than two books are issued.



8.3.2 INTERNET (5)

Institute Marks = 05

Table No. 8.10 (Internet particulars)

Sr. No.	Particular	
1	Name of Internet Provider	M/S Quadrant Televenture Pvt. Ltd. (Connect Broadband)
2	Available Bandwidth	300 Mbps Leased line
3	Wi fi availability	Yes
4	Internet access in labs, classrooms, library and other offices	Yes



Self-Assessment for Criterion 08			
Sr.No.	Assessment Parameters	Marks	
		Prescribed	Institute
8	Governance, Institutional Support and Financial Resources	60	60
8.1	Organization, Governance and Transparency	25	25
8.1.1	Governing body, administrative setup, function of various bodies, service rules procedures, recruitment and promotional policies	10	10
8.1.2	Decentralization in working and grievance Redressal mechanism	05	05
8.1.3	Delegation of financial powers	05	05
8.1.4	Transparency and availability of correct/unambiguous information in public domain	05	05
8.2	Budget Allocation, Utilization and Public Accounting at Institute/Program level	20	20
8.2.1	Adequacy of budget allocation	10	10
8.2.2	Utilization of allocated funds	10	10
8.3	Library and Internet	15	15
8.3.1	Quality of learning resources	10	10
8.3.2	Internet	05	05
	Total Marks	60	60
	Percentage	100 %	



PART C: DECLARATION

The head of the institution needs to make a declaration as per the format given below:

- 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 institute 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.


Date: 21/09/2023

Place: Jalandhar City

Head of the Institution

Name: Dr. Jagroop Singh

Designation: Principal

Signature: 

Seal of the Institution:

Principal
Mehr Chand Polytechnic College
JALANDHAR CITY.



Annexure 1(A)**PROGRAM OUTCOME (POs)**

1. **Pharmacy Knowledge:** Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy.
2. **Modern tool usage:** Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.
3. **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.
4. **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).
5. **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.
6. **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.
7. **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.
8. **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.
9. **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 the needs on an ongoing basis.

