

IbISFRRowHeader

Pharmacy

Part A : Institutional Information

1 Name and Address of the Institution

Ponda Education Society's Rajaram and Tarabai Bandekar College of Pharmacy,
Ponda- Panaji Road, Farmagudi, Ponda, Goa-403401

2 Name and Address of Affiliating University

Goa University

3 Year of establishment of the Institution:

2007

4 Type of the Institution:

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

5 Ownership Status:

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

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

Name of Institutions	Year of Establishment	Programs of Study	Location
Ponda Education Society's Shri Ravi S. Naik Higher Secondary School	1986	Higher Secondary in Arts, Commerce , Science and Vocational Programs	Farmagudi, Ponda , Goa
Ponda Education Society's Ravi S. Naik College of Arts and Science	1986	Undergraduate programs in Arts and Science and Post Graduation Program in Organic Chemistry	Farmagudi, Ponda , Goa
Ponda Education Society's College of Education	2004	Bachelor of Education	Farmagudi, Ponda , Goa

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

Name of Program	Program Applied level	Start of year	Year of AICTE approval	Initial Intake	Intake Increase	Current Intake	Accreditation status	From	To	Program for consideration	Program for Duration
Bachelor of Pharmacy	UG	2007	2007	60	Yes	100	Applying first time	--	--	Yes	4
Sanctioned Intake for Last Five Years for the Bachelor of Pharmacy											
Academic Year				Sanctioned Intake							
2021-22				100							
2020-21				100							
2019-20				75							
2018-19				60							
2017-18				60							
2016-17				60							
Master of Pharmacy (Pharmaceutical Chemistry)	PG	2011	2011	18	No	18	Eligible but not applied	--	--	No	2
Master of Pharmacy (Pharmaceutics)	PG	2014	2014	18	No	18	Eligible but not applied	--	--	No	2

8 Programs to be considered for Accreditation vide this application:

S No	Level	Discipline	Program
1	Under Graduate	Pharmacy	Pharmacy

9 Total number of employees

A. Regular* Employees (Faculty and Staff):

Items	2021-22		2020-21		2019-20	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Pharmacy (Male)	06	06	06	06	06	06
Faculty in Pharmacy (Female)	14	15	14	15	15	15
Faculty in Science & Humanities (Male)	0	0	0	0	0	0
Faculty in Science & Humanities (Female)	0	0	0	0	0	0
Non-teaching staff (Male)	12	12	12	14	14	14
Non-teaching staff (Female)	19	21	20	20	20	20

B. Contractual* Employees (Faculty and Staff):

Items	2021-22		2020-21		2019-20	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Pharmacy (Male)	0	0	0	0	0	0
Faculty in Pharmacy (Female)	0	0	0	0	0	0
Faculty in Science & Humanities (Male)	0	0	0	0	0	0
Faculty in Science & Humanities (Female)	0	0	0	0	0	0
Non-teaching staff (Male)	1	1	0	0	0	0
Non-teaching staff (Female)	0	0	0	0	0	0

10 Total number of Pharmacy students:

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

11 Vision of the Institution:

To be a premier institution imparting quality education in the field of Pharmacy.

12 Mission of the Institution:

1. To create an environment that will produce competent pharmacy professionals, catering to the needs of the academia, research, regulators, industry and society.
2. To enhance creativity and innovation in pharmacy education through advanced technical updates that propel the students towards professional excellence.
3. To inspire and sustain the students to be sensitive towards social needs and contribute to the wellbeing of society.

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

Head of the Institution	
Name	Dr. S.N. Mamle Desai
Designation	Professor and Principal
Mobile No.	9845514307
Email ID	smamledesai@rediffmail.com

☒ **NBA Coordinator, If Designated**

Name	Dr. Shilpa P. Bhilegaonkar
Designation	Associate Professor
Mobile No.	9579744560
Email ID	shilpabhilegaonkar@gmail.com

PART B: Criteria Summary

Criteria No.	Criteria	Total Marks	Institute Marks
1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	50	50.00
2	PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES	150	150.00
3	COURSE OUTCOMES (COS) AND PROGRAM OUTCOMES (POS)	100	100.00
4	STUDENTS' PERFORMANCE	180	159.68
5	FACULTY INFORMATION AND CONTRIBUTIONS	175	130.49
6	FACILITIES	120	120.00
7	CONTINUOUS IMPROVEMENT	75	72.36
8	STUDENT SUPPORT SYSTEMS	50	50.00
9	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	100	100.00
	Total	1000	932

Part B

1 VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES (50)

Total Marks 50.00

1.1 State the mission & vision (5)

Total Marks 5.00

Institute Marks : 5.00

Vision of the institute	To be a premier institution imparting quality education in the field of Pharmacy.	
Mission of the institute	<ol style="list-style-type: none"> 1. To create an environment that will produce competent pharmacy professionals, catering to the needs of the academia, research, regulators, industry and society. 2. To enhance creativity and innovation in pharmacy education through advanced technical updates that propel the students towards professional excellence. 3. To inspire and sustain the students to be sensitive towards social needs and contribute to the wellbeing of society. 	
Vision of the Department	To be a premier institution imparting quality education in the field of Pharmacy.	
Mission of the Department	Mission No.	Mission Statements
	M1	To create an environment that will produce competent pharmacy professionals, catering to the needs of the academia, research, regulators, industry and society.
	M2	To enhance creativity and innovation in pharmacy education through advanced technical updates that propel the students towards professional excellence.
	M3	To inspire and sustain the students to be sensitive towards social needs and contribute to the wellbeing of society.

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

Total Marks 5.00

PEO No.	Program Educational Objectives Statements
PEO1	Upon completion of the program, the students will be: PEO1: Competent and proficient in all aspects of drug manufacturing and its usage, including practical knowledge towards fulfillment of their career goals.
PEO2	PEO2: Professionals with adequate pharmacy skills and will make a valuable contribution towards pharmacy practice, research and innovations.
PEO3	PEO3: Able to serve the community and society with high standards of professional ethics and in the best interest of patients and the community.

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

Total Marks 15.00

Institute Marks : 15.00

Every effort is made to ensure that Vision, Mission and PEOs of the college are conveyed effectively to all Internal and External stakeholders. The Vision, Mission and PEOs are published and spread widely through the following methods:

Direct Communication: Orientation Programmes for fresher students /parents and induction programmes for students.

Print Media: College prospectus, College magazine, Placement brochure, Laboratory manuals.

Display Boards: Prominent places of college like college entrance, college administrative office, library and every floor in the college.

Electronic Media: College website (<https://www.pespharma.com>)

- The students of every semester are briefed about the importance of the Vision, Mission and PEOs.
- The parents are enlightened about the Vision, Mission and PEOs during orientation program and also when they visit the college.
- The external stakeholders are informed about the Vision, Mission and PEOs through college prospectus, college magazine, placement brochure and college website.

Promulgation of Institute's Vision, Mission and PEOs:

All the External and Internal stakeholders are intimated about the Vision, Mission and PEOs. The dissemination of the Vision, Mission and PEOs are done as follows:

- Students: Information about the Vision, Mission and PEOs is given during the induction programme. It is displayed prominently at the college entrance and communicated to the students by the faculty members from time to time.
- Parents: Parents are informed via college admission prospectus and during induction programme organized at the time of joining of their ward.
- Faculty: The Vision, Mission and PEOs are communicated to all teaching and non teaching staff members at the time of joining the institution and at the beginning of every academic year.
- Alumni: Alumni members are made aware of the Vision, Mission and PEOs through college website and during alumni meetings and during their visit to college.
- Industry/Regulatory/Academic experts/Employers: The Vision, Mission and PEOs are circulated among the academicians, regulatory authorities and industry experts through admission and placement brochure.
- Professional Bodies: While organizing events under professional bodies, the event brochures are designed to contain the institute's Vision, Mission and PEOs.

Note :

Internal Stakeholders	External Stakeholders
Management and Governing Body of College	Employers (Academia/Industry/Regulatory)
Staff members	Parents
Students	Alumni
	Professional Bodies

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

Total Marks 10.00

Institute Marks : 10.00

The institute finalized the Vision, Mission and PEOs through a consultative process involving the stakeholders of the institute such as Management, Parents, Students, Alumni, Faculty and Employers as shown in Figure 1.1.

In establishing the Vision and Mission of the institute, the following steps were followed:

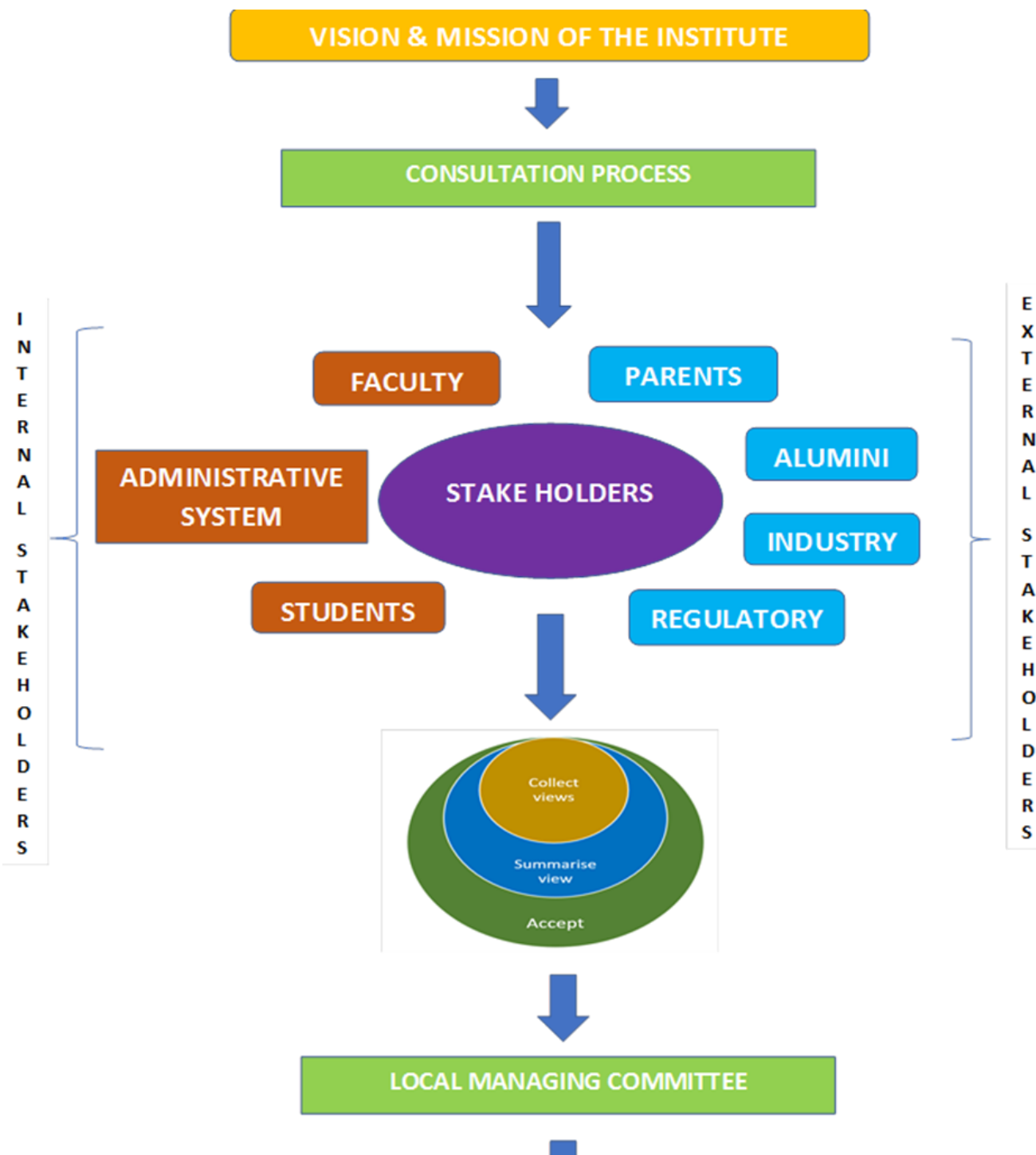
Step 1: Vision and Mission of the institution were taken as an origin.

Step2: Course outcomes and graduates attributes are taken into consideration and opinion was invited from internal and external stakeholders.

Step 3: The expressed views were critically analyzed and reviewed by the Faculty members and Head of the Institution to assess the consistency of the PEOs with the Vision and Mission of the Institute.

Step 4: The proposed Vision, Mission and PEOs were scrutinized by the Local Managing Committee and was further referred to the Governing Council.

Step 5: Governing Council of the institution thereafter approved the Vision, Mission and PEOs and then the Vision, Mission and PEOs were given wide publicity.





1.5 Establish consistency of PEOs with Mission of the Institute (15)

Total Marks 15.00

Institute Marks : 15.00

PEO Statements	M1	M2	M3
Upon completion of the program, the students will be: PEO1: Competent and proficient in all aspects of drug manufacturing and its usage, including practical knowledge towards fulfillment of their career goals.	3 ▾	2 ▾	1 ▾
PEO2: Professionals with adequate pharmacy skills and will make a valuable contribution towards pharmacy practice, research and innovations.	2 ▾	3 ▾	1 ▾
PEO3: Able to serve the community and society with high standards of professional ethics and in the best interest of patients and the community.	2 ▾	1 ▾	3 ▾

2 PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES (150)

Total Marks 150.00

2.1 Program Curriculum (40)

Total Marks 40.00

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

Institute Marks : 10.00

The B. Pharm. programme of the institution was based upon the semester pattern of Goa University syllabus implemented in the year 2011-12. The B. Pharm. programme framed by Pharmacy Council of India is a choice-based credit system adopted by Goa University in the academic year 2017-2018, a four-year degree program divided into 08 semesters. The curriculum consists of 4 hours of theory (3 hours of lecture + 1 hour of tutorial) per week with 4 credits and 4 hours per week with the credit point of 2 for practicals. The scheme specifies a duration of three hours for theory and 4 hours for the practicals for the end semester examinations.

As per the curriculum: Each student will be evaluated for a continuous mode based on their daily active participation in theory and practical classes.

As per CBCS curriculum of Goa University the end semester theory examinations shall be of 75 marks and internal examination along with the continuous assessment of 25 marks (15+10 marks each).

The end semester practical examinations in the respective course shall be of 35 marks and internal examination along with continuous assessment of 15 marks (10+ 5 marks each).

Course completion shall be at the end of semester examination.

For the partial fulfilment of the requirements for the completion of B. Pharm. course, every candidate shall work for atleast 150 hours spread over period of four weeks in a Pharmaceutical Industry/Hospital/Community Pharmacy. It includes Production department, Quality Control department, Quality Assurance department, Analytical laboratory, Chemical manufacturing unit, Pharmaceutical R&D, Hospital (Clinical Pharmacy), Clinical Research Organization, Community Pharmacy, etc before the commencement of Semester – VII, and shall submit satisfactory report of such work and produce a duly signed certificate by the authority of training organization to the head of the institution.

Program outcome attainments are based on the satisfactory completion of the course of eight semesters.

Contents of Syllabus – Courses and Modes of Teaching.**Syllabus 2021-22****Semester I B. Pharm**

Course Code	Course Title	Total Number of Contact Hours				Credit Points	Program Outcomes (POs)
		Lecture	Tutorial	Practical	Total		
BP101T	Human Anatomy and Physiology-I - Theory	3	1	-	45	4	1,4,6,8, 9,11
BP102T	Pharmaceutical Analysis -Theory	3	1	-	45	4	1,2,3,4, 11
BP103T	Pharmaceutics - Theory	3	1	-	45	4	1,2,3,4, 6,8,9,11
BP104T	Pharmaceutical Inorganic Chemistry -Theory	3	1	-	45	4	1,2,3,4, 8,9,11
BP105T	Communication Skills -Theory*	2		-	30	2	1,2,4, 5,8,11
BP106RBT	Remedial Biology -Theory	2	-	-	30	2	1,2,5, 9,11
BP106RMT	Remedial Mathematics - Theory	2	-	-	30	2	1,2,8,11
BP107P	Human Anatomy and Physiology-I - Practical	-	-	4		2	1,2,3,4, 6,8,9,11
BP108P	Pharmaceutical Analysis -Practical	-	-	4		2	1,2,3,4, 8,11
BP109P	Pharmaceutics - Practical	-	-	4		2	1,2,3,4, 8,11
BP110P	Pharmaceutical Inorganic Chemistry -Practical	-	-	4		2	1,2,3,4, 11
BP111P	Communication Skills -Practical*			2		1	2,3,5,8, 11
BP112RBP	Remedial Biology - Practical*	-	-	2		1	1,2,4,6, 8,9,11

Semester II B. Pharm.

Course Code	Course Title	Total Number of Contact Hours				Credit Points	Program Outcomes (POs)
		Lecture	Tutorial	Practical	Total		

BP201T	Human Anatomy and Physiology II -Theory	3	1	-	45	4	1,3,4,6, 8,9,11
BP202T	Pharmaceutical Organic Chemistry I - Theory	3	1	-	45	4	1,2,3,6, 10,11
BP203T	Biochemistry - Theory	3	1	-	45	4	1,4,6,8, 9,11
BP204T	Pathophysiology - Theory	3	1	-	45	4	1,2,3,4, 6,9,11
BP205T	Computer Application in Pharmacy - Theory	3	-	-	45	3	1,2,3,4, 6,7,8,9, 11
BP206T	Environmental Science - Theory*	3	-	-		3	1,3,5,8, 9,10,11
BP207P	Human Anatomy and Physiology II - Practical	-	-	4		2	1,2,3,6, 8,9,11
BP208P	Pharmaceutical Organic Chemistry I - Practical	-	-	4		2	2,3,2, 1,1,1,2
BP209P	Biochemistry - Practical	-	-	4		2	1,2,3,4, 6,8,11
BP210P	Computer Application in Pharmacy - Practical	-	-	2		1	2,4,8, 9,11

Semester III B. Pharm.

Course Code	Course Title	Total Number of Contact Hours				Credit Points	Program Outcomes (POs)
		Lecture	Tutorial	Practical	Total		
BP301T	Pharmaceutical Organic Chemistry II - Theory	3	1	-	45	4	1,2,3,4, 8,10,11
BP302T	Physical Pharmaceutics I - Theory	3	1	-	45	4	1,2,3,4, 8,11
BP303T	Pharmaceutical Microbiology - Theory	3	1	-	45	4	1,2,3,4, 8,9,10,11
BP304T	Pharmaceutical Engineering - Theory	3	1	-	45	4	1,2,3,4, 5,9,10,11
BP305P	Pharmaceutical Organic Chemistry II- Practical	-	-	4		2	1,2,3,4, 8,11

BP306P	Physical Pharmaceutics I - Practical	-	-	4		2	1,2,3,4, 6,8,11
BP307P	Pharmaceutical Microbiology - Practical	-	-	4		2	1,2,3,4, 6,9,10,11
BP308P	Pharmaceutical Engineering- Practical	-	-	4		2	1,2,3,4, 6,8,11

Semester IV B. Pharm.

Course Code	Course Title	Total Number of Contact Hours				Credit Points	Program Outcomes (POs)
		Lecture	Tutorial	Practical	Total		
BP401T	Pharmaceutical Organic Chemistry III - Theory	3	1	-	45	4	1,3,4,8, 9,10,11
BP402T	Medicinal Chemistry I - Theory	3	1	-	45	4	1,2,3,4, 6,8,10,11
BP403T	Physical Pharmaceutics II - Theory	3	1	-	45	4	1,2,3,4, 8,11
BP404T	Pharmacology I - Theory	3	1	-	45	4	1,2,3,6, 8,9,11
BP405T	Pharmacognosy and Phytochemistry I - Theory	3	1	4		4	1,2,3,4, 6,8,10,11
BP406P	Medicinal Chemistry I - Practical	-	-	4		2	1,2,3,4, 8,10,11
BP407P	Physical Pharmaceutics II - Practical	-	-	4		2	1,2,3,4, 8,11
BP408P	Pharmacology I - Practical	-	-	4		2	1,2,3,5, 6,9,11
BP409P	Pharmacognosy and Phytochemistry I -Practical	-	-	4		2	1,2,3,4, 6,8,11

Semester V B. Pharm.

Course Code	Course Title	Total Number of Contact Hours				Credit Points	Program Outcomes
		Lecture	Tutorial	Practical	Total		
BP501T	Medicinal Chemistry II - Theory	3	1	-	45	4	1,2,3,4, 6,8,9,10, 11

BP502T	Industrial Pharmacy I - Theory	3	1	-	45	4	1,2,3,4, 8,11
BP503T	Pharmacology II- Theory	3	1	-	45	4	1,3,6,8, 9,11
BP504T	Pharmacognosy and Phytochemistry II - Theory	3	1	-	45	4	1,2,3,4, 6,8,9,11
BP505T	Pharmaceutical Jurisprudence - Theory	3	1	-	45	4	1,2,3,4, 6,7,8,9,11
BP506P	Industrial Pharmacy I - Practical	-	-	4		2	1,2,3,4, 6,8,11
BP507P	Pharmacology II- Practical	-	-	4		2	1,2,3,4, 6,8,9,11
BP508P	Pharmacognosy and Phytochemistry II - Practical	-	-	4		2	1,2,3,4, 6,8,9,11

Semester VI B. Pharm.

Course Code	Course Title	Total Number of Contact Hours				Credit Points	Program Outcomes
		Lecture	Tutorial	Practical	Total		
BP601T	Medicinal Chemistry III - Theory	3	1	-	45	4	1,2,3,4, 6,8,9,11
BP602T	Pharmacology III- Theory	3	1	-	45	4	1,3,6,8, 9,11
BP603T	Herbal Drug Technology - Theory	3	1	-	45	4	1,2,3,4, 6,8,9,11
BP604T	Biopharmaceutics and Pharmaceutics - Theory	3	1	-	45	4	1,2,3,4, 6,8,9,11
BP605T	Pharmaceutical Biotechnology - Theory	3	1	-	45	4	1,2,3,4, 6,8,10,11
BP606T	Pharmaceutical Quality Assurance - Theory	-	-	2		4	1,2,3,6, 7,8,9,11
BP607P	Medicinal Chemistry III - Practical	-	-	4		2	1,2,3,4, 8,10,11
BP608P	Pharmacology III- Practical	-	-	4		2	1,2,3,4, 8,9,11

BP609P	Herbal Drug Technology - Practical	-	-	4		2	1,2,3,4, 6,8,9,10, 11
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Semester VII B. Pharm.

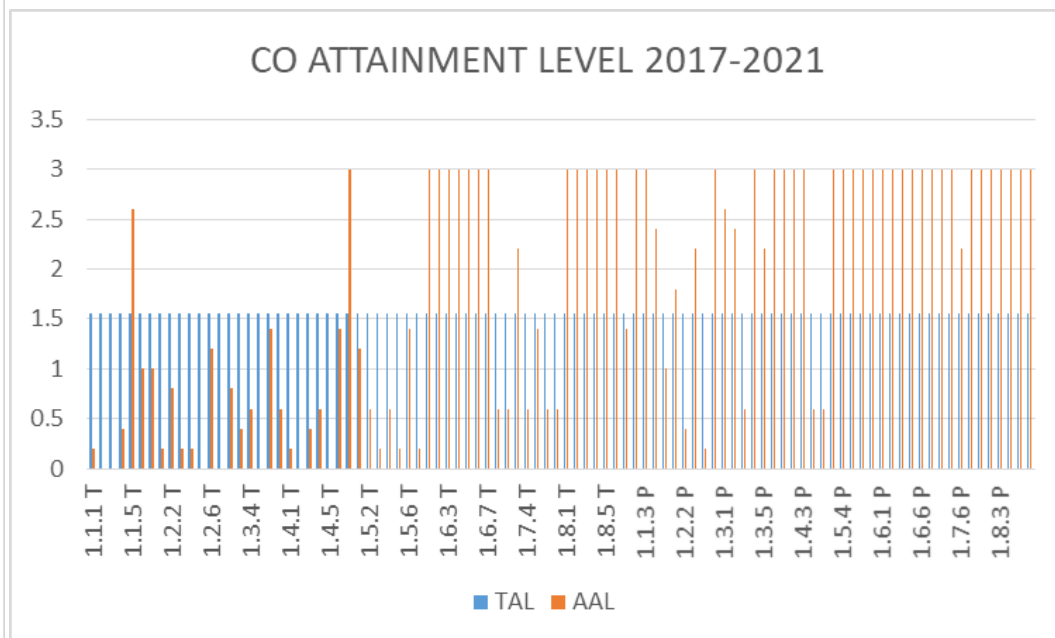
Course Code	Course Title	Total Number of Contact Hours				Credit Points	Program Outcomes
		Lecture	Tutorial	Practical	Total		
BP701T	Instrumental Methods of Analysis - Theory	3	1	-	45	4	1,2,3,4, 8,11
BP702T	Industrial pharmacy II -Theory	3	1	-	45	4	1,2,3,4, 8,11
BP703T	Pharmacy Practice - Theory	3	1	-	45	4	1,2,3,4, 8,11
BP704T	Novel Drug Delivery System- Theory	3	1	-	45	4	1,2,3,4, 8,11
BP705P	Instrumental Method of Analysis - Practical	-	-	4		2	1,2,3,4, 8,11
BP706PS	Practice School*				12	6	1,2,3,4, 8,11

Semester VIII B. Pharm.

Course Code	Course Title	Total Number of Contact Hours				Credit Points	Program Outcomes
		Lecture	Tutorial	Practical	Total		
BP801T	Biostatistics and Research Methodology - Theory	3	1	-	45	4	1,2,3,4, 8,11
BP802T	Social and Preventive Pharmacy	3	1	-	45	4	1,2,3,4, 8,11
BP803ET	Pharmaceutical Marketing Management	3	1	-	45	4	1,2,3,4,6,7, 8,9,10,11
BP804ET	Pharmaceutical Regulatory Science	3	1	-	45	4	--
BP805ET	Pharmacovigilance	3	1	-	45	4	
BP806ET	Quality Control and Standardization of Herbals	3	1	-	45	4	
BP807ET	Computer Aided Drug Development	3	1	-	45	4	
BP808ET	Cell and Molecular Biology	3	1	-	45	4	
BP809ET	Cosmetic Science	3	1	-	45	4	
BP810ET	Pharmacological Screening Methods	3	1	-	45	4	
BP811ET	Advanced Instrumentation Techniques	3	1	-	45	4	

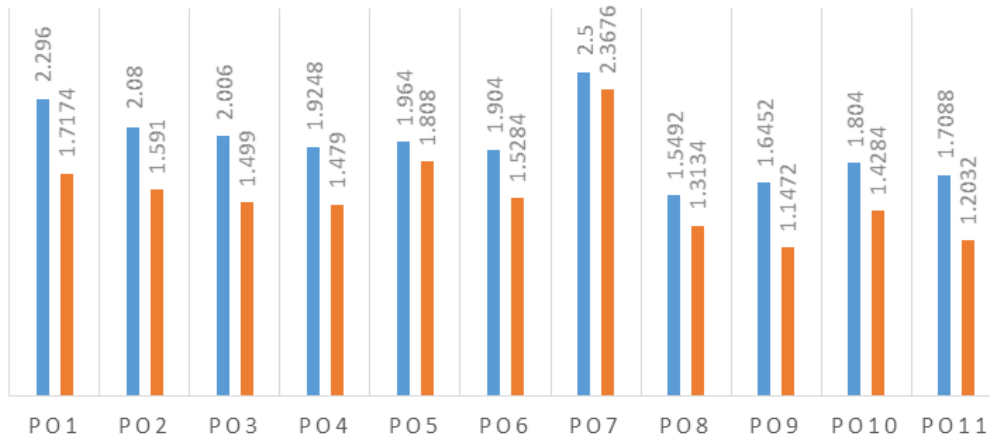
BP812ET	Dietary Supplements and Nutraceutical	3	1	-	45	4	
BP813ET	Pharmaceutical Product Development	3	1	-	45	4	1,2,3,4, 8,11
BP814ET	Project Work	-	-	-	12	6	1,2,3,4, 6,7, 8, 9,10,11

Based on the results, course outcomes are evaluated for each course at the end of the semester. Program outcomes are evaluated by direct and indirect methods of assessment for each academic batch of the program.



PO ATTAINMENT LEVEL 2017-2021

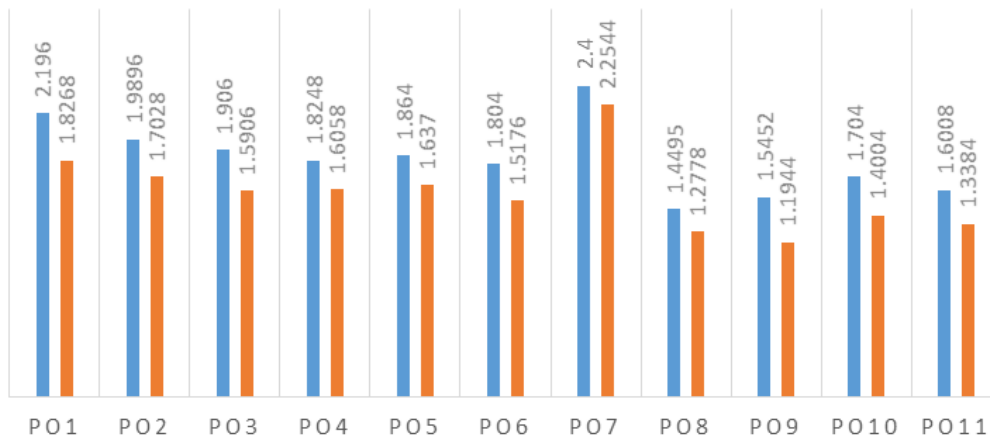
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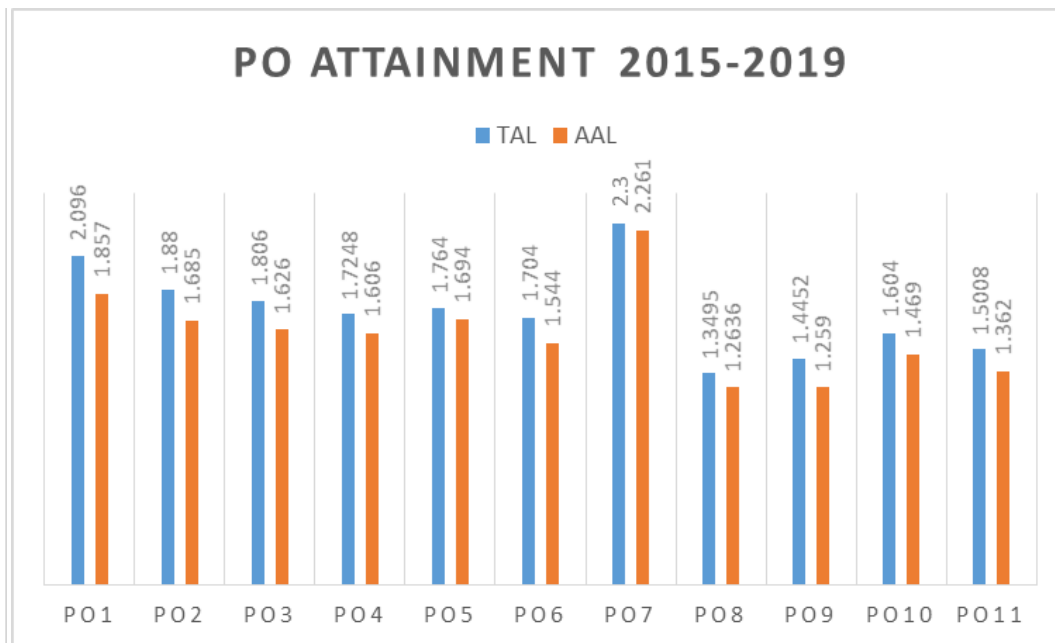


Similarly the program outcomes were calculated for previous two batches (LYGm1,LYGm2) and is shown in following graphs-

PO ATTAINMENT LEVEL 2016-2020

TAL AAL





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

Institute Marks : 20.00

2021-22

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	No of students Present	Relevance to POs
1	Awareness abc	Guest lecture c	10/07/2021	Mr Girish Kulkarni (Associa	136	PO1, PO6, PO
2	Knowledge of c	Guest lecture c	24/07/2021	Mr Durgesh Pai Angle (Gen	128	PO5, PO11
3	Knowledge of c	Guest lecture c	30/07/2021	Ms Siya Kunde (Executive,	126	PO5, PO11
4	Guidance with	Guest lecture c	25/09/2021	Mr Aakash Nathani (NIPER	105	PO1,PO11
5	Patient Counse	Guest lecture c	13/02/2022	Dr Anant Suryawanshi (MBI	132	PO1,PO6, PO7
6	Advanced Tech	Guest lecture c	11/04/2022	Dr. (Mrs.) Akshada Amit Ko	175	PO1,PO2,PO3
7	Advanced Tech	Guest lecture c	11/04/2022	Dr Manjunath Katagi (Assis	110	PO1,PO2,PO3
8	Knowledge of c	Guest lecture c	29/04/2022	Mr Ravindra Sardessai Ass	168	PO1,PO11

2020-21

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	No of students Present	Relevance to POs
1	Practical Applic	Guest lecture c	13/02/2021	Mr. Mangesh Sahane (Genr	18	PO1,PO2,PO3
2	Overview of Re	Guest lecture c	26/02/2021	Mr. Soham Sagar (Senior S	18	PO1,PO11
3	Role of Pharm	Guest lecture c	13/06/2021	Mr. Mahesh Zagade (Forme	136	PO1,PO5, PO6
4	Problems asso	Guest lecture c	26/06/2021	Prof (Dr) Ashish Baldi (MR	130	PO6, PO7, PO

2019-20

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	No of students Present	Relevance to POs
1	Knowledge of c	Guest lecture c	02/08/2019	Mr. Rahul Pandit (Deputy M	112	PO1, PO5, PO
2	Knowledge of c	Guest lecture c	06/12/2019	Ms. Luven Rodrigues (Seni	39	PO1, PO4, PC
3	Importance of c	Guest lecture c	04/01/2020	Mr. Himank Narvekar (Rese	72	PO1, PO2, PO
4	Insights in diss	Guest lecture c	24/02/2020	Dr. Umesh Banakar, (Profe	113	PO1, PO4
5	How to detect p	Guest lecture c	18/03/2020	Mrs. Prayangi V. Matonkar i	15	PO7, PO11

2.1.3 Adherence to Academic Calendar (10)

Institute Marks : 10.00

Academic calendar is prepared in order to streamline the academic, co-curricular and extracurricular activities for the respective year in accordance to the academic calendar of Goa University. The Internal Quality Assurance Cell along with other committees under the guidance of the Head of the institution (Principal) prepares academic calendar.

The institutional academic calendar gives the dates for conduct of internal assessment examinations in theory and practicals, sports and cultural events which are planned in accordance with Goa University academic calendar. The designated dates of University exams are subject to change as per Goa University circulars issued from time to time.

**P.E.S's RAJARAM & TARABAI BANDEKAR COLLEGE OF PHARMACY FARMAGUDI-
PONDA GOA.**

ADHERENCE TO ACADEMIC CALENDER 2019-20

ODD SEMESTER (JULY –DECEMBER 2019)



SR.NO	EVENTS	Planned Dates	Adherence
1	Vana Mahotsav	27 th July 2019	Yes
2	Induction Programme for B. Pharm & M. Pharm	1 st August 2019	Yes
3	Freshers Day/Magazine release	30 th August 2019	Yes
4	Ganesh Chaturthi Vacation	2 nd – 7 th September 2019	Yes
5	Teachers' Day celebration	13 th September 2018	Yes
6	First year B.Pharm (Sem I & III) Internal exam – I (theory & practical)	23 rd September 2019 onwards	Yes
7	Dandiya	7 th October 2019	Yes
8	Inspire	11 th October 2019	Yes
9	Industrial visit	2 nd week October 2019	Yes
10	Internal Theory& Practical Exam (all semesters I, III, V and VII)	14 th October 2019 onwards	Yes
11	First year Pharm (Sem I) Internal exam – I (theory & practical)	14 th October 2019 onwards	Yes
12	National Pharmacy Week	20 th -26 th October 2019	Yes
13	Diwali Vacation	26 th October -2 nd November 2019	Yes
14	First year M.Pharm (Sem I) Internal exam – II (theory & practical)	2 nd December 2019 onwards	Yes

EVEN SEMESTER (JANUARY –JUNE 2020)

SR.NO	EVENTS	Planned Dates	Adherence
1	Blood Donation Camp	2 nd week January 2020	Yes
2	Industrial Visit	2 nd Week January 2020	Yes
3	First year Pharm (Sem II & IV) Internal exam – I (theory & practical)	17 th February 2020 onwards	Yes
4	Radicals	2 nd , 3 rd , 4 th , March 2020	Yes
5	Sports Day	5 th 6 th , 7 th , March 2020	Yes
6	Annual Day & Farewell	4 th Week March 2020	Yes
7	Internal Theory& Practicals Exam (all semesters II, IV, VI and VIII)	15 th April 2020 onwards	Yes
8	First year M.Pharm (Sem II) Internal exam – I (theory & practical)	15 th April 2020 onwards	Yes
9	First year M.Pharm (Sem II) Internal exam – II (theory & practical)	25 th May 2020 onwards	Yes

P.E. S's RAJARAM & TARABAI BANDEKAR COLLEGE OF PHARMACY

FARMAGUDI- PONDA GOA

ADHERENCE TO ACADEMIC CALENDER 2020-2021

SR. No.	EVENTS	Planned Dates		Adherence
1	Vanamohatsav	4 th June 2020		Yes
2	Ganesh Chaturthi Vacation	21 st Aug -26 th Aug 2020		Yes
3	Students Day	15/10/2020		Yes
4	Ozone Day	16/10/2020		Yes
5	First Internal B. Pharm Exam Sem III	26/10/2020 – 29/10/2020 (theory)	02/11/2020 – 06/11/2020 (Practical)	Yes
6	First Internal B. Pharm Exam Sem V	26/10/2020 – 31/10/2020 (theory)	02/11/2020 – 06/11/2020 (Practical)	Yes
7	National Pharmacy Week	16 th -22 nd Nov 2020		Yes
8	Diwali Vacation	14 th -21 st Nov 2020		Yes
9	Second Internal B. Pharm Exam Sem III	07/12/2020 – 10/12/2020 (theory)	14/12/2020 – 18/12/2020 (Practical)	Yes
10	Second Internal B. Pharm Exam Sem V	07/12/2020 – 11/12/2020 (theory)	14/12/2020 – 18/12/2020 (Practical)	Yes
11	First Internal M. Pharm Exam Sem I	07/12/2020 – 10/12/2020 (theory)	14/12/2020 (Practical)	Yes
	First Internal B. Pharm Exam	14/12/2020 –	07/12/2020 –	Yes

12	Internal B. Pharm Exam Sem VII	22/12/2020 (theory)	12/12/2020 (Practical)	
13	End Semester B. Pharm Exam Sem VII	18/01/2021 – 30/01/2021 (theory)	01/02/2021 – 06/02/2021 (Practical)	Yes
14	Induction Programme	15/01/2020		Yes
15	First Internal B. Pharm Exam Sem I	25/01/2021 – 01/02/2021 (theory)	23/01/2021 – 05/02/2021 (Practical)	Yes
16	Second Internal M. Pharm Exam Sem I	25/01/2021 – 29/01/2021 (theory)	08/02/2021 (Practical)	Yes
17	Second Internal B. Pharm Exam Sem I	22/02/2021 – 01/03/2021 (theory)	27/02/2021 – 09/03/2021 (Practical)	Yes
18	Women's Day	08/03/2021		Yes
19	End Semester B. Pharm Exam Sem V	08/03/2021 – 13/03/2021 (theory)	15/03/2021 – 22/03/2021 (Practical)	Yes
20	End Semester B. Pharm Exam Sem III	15/03/2021 – 18/03/2021 (theory)	24/03/2021 – 06/04/2021 (Practical)	Yes

21	World health day	07/04/2021		Yes
22	End Semester B. Pharm Exam Sem I	20/04/2021 – 23/04/2021 (theory)		Yes
23	First Internal M. Pharm Exam Sem II	07/06/2021 – 10/06/2021 (theory)		Yes
24	First Internal B. Pharm Exam Sem IV	07/06/2021 – 11/06/2021 (theory)	12/07/2021 – 15/07/2021 (Practical)	Yes
25	Internal B. Pharm Exam Sem VII	07/06/2021 – 12/06/2021 (theory)	05/07/2021 – 13/07/2021 (Practical)	Yes
26	First Internal B. Pharm Exam Sem VI	05/07/2021 – 10/07/2021 (theory)	12/07/2021 – 14/07/2021 (Practical)	Yes
27	Second Internal M. Pharm Exam Sem II	19/07/2021 – 23/07/2021 (theory)		Yes
28	Second Internal B. Pharm Exam Sem IV	26/07/2021 – 30/07/2021 (theory)	02/08/2021 – 05/08/2021 (Practical)	Yes
29	First Internal B. Pharm Exam Sem II	05/07/2021 – 10/07/2021 (theory)	12/07/2021 – 15/07/2021 (Practical)	Yes

		(theory)	(Practical)	
30	World Yoga Day	21/07/2021		Yes
31	World Youth Day	12/08/2021		Yes
32	Second Internal B. Pharm Exam Sem VI	13/08/2021 – 21/08/2021 (theory)	18/08/2021 – 20/08/2021 (Practical)	Yes
33	End Semester B. Pharm Exam Sem VIII	02/08/2021 – 07/08/2021 (theory)	11/08/2021 – 17/08/2021 (Practical)	Yes
34	End Semester B. Pharm Exam Sem VI	23/08/2021 – 28/08/2021 (theory)	30/08/2021 – 02/09/2021 (Practical)	Yes
35	End Semester B. Pharm Exam Sem IV	30/08/2021 – 03/09/2021 (theory)	04/09/2021 – 08/09/2021 (Practical)	Yes
36	Second Internal B. Pharm Exam Sem II	01/09/2021 – 04/09/2021 (theory)	06/09/2021 – 09/09/2021 (Practical)	Yes
37	Pharmacist Day	25/09/2021		Yes
38	End Semester B. Pharm Exam Sem II	20/09/2021 – 23/09/2021 (theory)	27/09/2021 – 05/10/2021 (Practical)	Yes
39	End semester M. Pharm Exam Sem II	21/09/2021 – 24/09/2021 (theory)	27/09/2021 (Practical)	Yes

**P. E. S's RAJARAM & TARABAI BANDEKAR COLLEGE OF PHARMACY
FARMAGUDI- PONDA GOA**

ADHERANCE TO ACADEMIC CALENDER 2021-2022

<u>Sr.No</u>	<u>Events</u>	<u>Planned Dates</u>		<u>Adherence</u>
1	Vanamohatsav	16 th Jun 2021		Yes
2	Ganesh Chaturthi Vacation	10 th – 17 th Sept 2021		Yes
3	Diwali Vacation	1 st – 6 th Nov 2021		Yes
4	National Pharmacy Week	21 st -27 th Nov 2021		Yes
5	First Internal B. Pharm Exam Sem V	11/12/2021 – 22/12/2021 Theory	13/12/2021 – 16/12/2021 Practical	Yes
6	First Internal B. Pharm Exam Sem VII	13/12/2021 – 16/12/2021 Theory	17/12/2021 Practical	Yes
7	First Internal B. Pharm Exam Sem III	14/12/2021 – 17/12/2021 Theory	18/12/2021 – 22/12/2021 Practical	Yes
8	Christmas Vacation	24 th Dec 2021 – 01 st Jan 2022		Yes
9	Second Internal B. Pharm Exam Sem VII	10/01/2022 – 13/01/2022 Theory	14/01/2022 Practical	Yes
10	Induction programme Sem I B. Pharm	30 th Oct 2021		Yes
11	First Internal M. Pharm Exam Sem III	04/01/2022 Theory		Yes
12	First Internal M. Pharm Exam Sem I	12/01/2022 – 15/01/2022 Theory	10/01/2022 – 11/01/2022 Practical	Yes
13	Second Internal B. Pharm Exam Sem V	14/01/2022 – 22/01/2022 Theory	17/01/2022 – 19/01/2022 Practical	
14	First Internal B. Pharm Exam Sem I	20/01/2022 – 27/01/2022 Theory	28/01/2022 – 04/02/2022 Practical	

15	Second Internal B. Pharm Exam Sem III	21/01/2022 – 31/01/2022 Theory	24/01/2022 – 28/01/2022 Practical	
16	Second Internal M. Pharm Exam Sem III	08/03/2022 Theory		
17	Second Internal M. Pharm Exam Sem I	05/03/2022-09/03/2022 Theory	28/02/2022 Practical	
18	Second Internal B. Pharm Sem I	11/03/2022-19/03/2022	21/03/2022-26/03/2022	Yes
Commencement of Even Semester				
19	Freshers party 2021-	2 nd May 2022		Yes

	2022			
20	Sport Days	04/05/2022-05/05/2022		Yes
21	Radicals 2022	07/05/2022-10/05/2022		Yes
22	First Internal Exam of B Pharm Sem IV, Sem V and Sem VIII	16/05/2022- 21/05/2022 Theory	23/05/2022- 26/05/2022 Practical	Yes
23	Annual Day	4 th Week May 2021		



GOA UNIVERSITY

Taleigao Plateau, Goa 403 206.

(Established by State Legislature by Notification No. LD/10/7/84(D) of the year 1984)

Tel.: 8669609019/8669609066 Fax.: +91-08322451612/2451184/2452889 E-mail: jointregacad@unigoa.ac.in

Ref.No.: GU/COLG/ACAD TERMS/2019-20/2019/ 3775 Date: 29/03/2019

CIRCULAR

Principal of the concerned colleges are hereby informed that the Academic Terms (Calander) for the Academic year 2019-2020 for the following programs shall be as follows :

Principal of the concerned colleges are hereby intimated that the Academic Terms (Calendar) for the Academic year 2019-2020 for the following, program and dates of commencement of the examination are as follows:										
FIRST SEMESTER/TERM					SECOND SEMESTER/TERM			VACATION/BREAK		
Sr. No	Program	Commencement	End	Commencement of Examination	Commencement	End	Commencement of Examination	Type of vacation/ Break	From	To
1	B.Pharm (Semester)	01.07.2019	22.11.2019	25.11.2019 Sem. I/III/V/VII Repeat Exam for Sem. II/IV/VI/VIII) 08.11.2019	02.01.2020	19.05.2020	20.05.2020 (Sem.II & VIII) Regular Exam for Sem. IV* & VI* and (Repeat exam for Sem. I/III/V/VII) from 11.05.2020	Chaturthi Break	02.09.2019	07.09.2019
								Winter Vacation	26.10.019	02.11.2019
								Christmas Break	24.12.2019	01.01.20120
								Summer Vacation	23.05.2020	30.06.2020**
2	M.Pharm. Quality Assurance/ Pharmacology/ Pharmacognosy/ Pharmaceutical Chemistry/ Pharmaceutics	01.08.2019	03.01.2020	15.01.2020	03.02.2020	20.06.2020	02.07.2020	Summer Vacation	22.06.2020	01.07.2020***
* To accommodate the Sem. IV (CBCS) & Sem. VI students for one month Industrial Training.										
** All PG Guides will avail vacation provided each PG Guide/Teacher ensures the completion of syllabi/compilation of the Dissertation in time as per schedule.										
*** Preparatory holidays for M.Pharm. Sem. II.										

file
circulation (T & M)
Principal of the concerned colleges
1. K.U. Goa University,
2. Asst. Registrar (PG), Goa University
3. P.S. to V.C.
4. P.A. to Registrar
19

Y.V. Reddy
Prof. Y.V. Reddy
Registrar

DES Rajaram and Tarahal Bandosa
College of Pharmacy
Inward No.: 548
Date: 03/04/19

गोंय विद्यापीठ
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Goa, India

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Website: www.unigoa.ac.in

Ref. No: GU/ACAD(COLG)/ACAD TERM/Pharmacy/2020-21/127

Date: 12/08/2021

CIRCULAR

In accordance with the Ordinance OS-I of the Goa University and in supersession to the Academic Terms issued earlier by the University, the further Revised Academic Terms applicable to **Pharmacy Programmes** are hereby notified for the academic year 2020-21 as follows:

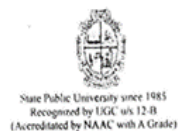
Academic Calendar/Terms for the Academic Year 2020 – 21												
Programme	FIRST SEMESTER/TERM		Date of Declaration of Result	Programme	SECOND SEMESTER/TERM		Date of Declaration of Result	VACATION / BREAK				
	Commencement	End			Commencement of Examination	End		Commencement of Examination	Type of Vacation/Break	From	To	
B.Pharm 1 st Semester	01.09.2020	07.04.2021	05.04.2021	05.07.2021	B.Pharm 2 nd Semester	26.04.2021	09.09.2021	20.09.2021	18.12.2021	Charuthi Break	10.09.2021	17.09.2021
B.Pharm 3 rd Semester	01.09.2020	06.03.2021	08.03.2021	15.06.2021	B.Pharm 4 th Semester	30.03.2021	28.08.2021	30.08.2021	29.11.2021	Winter Vacation	--	--
B.Pharm 6 th Semester	01.09.2020	06.03.2021	08.03.2021	08.06.2021	B.Pharm 6 th Semester (Industrial Training 22.01.2021 to 21.04.2021)	22.03.2021	21.08.2021	23.08.2021	22.11.2021	Christmas Break	--	--
B.Pharm 7 th Semester	01.09.2020	15.01.2021	18.01.2021	19.04.2021	B.Pharm 8 th Semester	08.07.2021	31.07.2021	02.08.2021	30.10.2021	Summer Vacation	--	--

* Commencement of the Semester/Term for the Academic Year 2021-22 is 20/09/2021 (5th & 7th Sem.), 01.10.2021 (3rd Sem.) and 18/10/2021 (1st Sem.)

Principals of affiliated Colleges offering Pharmacy Programmes are requested to take note of the above Academic Terms for the academic year 2020-21 and bring the contents of the Circular to the notice of all concerned.

(Signature)
(Prof. Rajendra S. Nayak)
Offg. REGISTRAR

गोंय विद्यापीठ
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Website: www.unigoa.ac.in

Ref. No: GU/ACAD/COLG/ACAD/TERM/Pharmacy/2021-22/128

Date: 18/08/2021

CIRCULAR

The Academic Terms for the academic year 2021-22 applicable for Pharmacy Programmes are hereby notified as follows:

Academic Calendar / Terms for the Academic Year 2021-22												
Programme	FIRST SEMESTER/TERM			Date of Declaration of Result	Programme	SECOND SEMESTER/TERM			Date of Declaration of Result	VACATION / BREAK		
	Commencement	End	Commencement of Examination			Commencement	End	Commencement of Examination		Type of Vacation/ Break	From	To
B.Pharm 1 st Semester	18.10.2021	09.03.2022	10.03.2022	09.06.2022	B.Pharm 2 nd Semester	26.03.2022	05.08.2022	06.08.2022	04.11.2022	Chaturthi Break	--	--
B.Pharm 3 rd Semester	01.10.2021	05.02.2022	06.02.2022	05.05.2022	B.Pharm 4 th Semester	22.02.2022	15.07.2022	16.07.2022	14.10.2022	Winter Vacation	01.11.2021	06.11.2021
B.Pharm 5 th Semester	20.09.2021	25.01.2022	27.01.2022	26.04.2022	B.Pharm 6 th Semester	10.02.2022 (Industrial Training 10.02.2022 to 09.03.2022)	15.07.2022	16.07.2022	14.10.2022	Christmas Break	24.12.2021	01.01.2022
B.Pharm 7 th Semester	20.09.2021	25.01.2022	27.01.2022	26.04.2022	B.Pharm 8 th Semester	10.02.2022	01.07.2022	02.07.2022	30.09.2022	Summer Vacation	01.06.2022	15.06.2022

• Commencement of the Semester/Term for the Academic Year 2022-23 is 01/08/2022 (5th & 7th Sem.) and 20/08/2022 (3rd Sem.)

Principals of affiliated Colleges offering Pharmacy Programmes are requested to take note of the above Academic Terms for the academic year 2020-21 and bring the contents of the Circular to the notice of all concerned.


(Dr. Radhika S. Nayak)
Offg. REGISTRAR

Copy to:

1. The Principals of the Pharmacy Colleges
2. Controller of Examination
3. Joint Registrar (Academic)
4. Assistant Registrar (I. exam) Prof.
5. P. S to V.C.
6. P. A to R.

Dr. S. S. Rajaram and Lalitlal Beldhane
College of Pharmacy
Inward No. 382
Date: 28/08/2021

2.2 Teaching-Learning Processes (110)

Total Marks 110.00

2.2.1 Initiatives in teaching and learning process (25)

Institute Marks : 25.00

The teaching and learning initiatives as per the syllabus of Goa University comprises of two heads that is theory and practicals considered as separate heads. The method of implementation is as below.

Theory Classes: The teaching faculty in addition to prescribed curriculum, constantly motivates the students by involving them in good interactive sessions with relevant examples so as to develop keen interest and critical thinking about the topic which makes learning enjoyable.

A few measures taken are:

- Teaching by using power point presentations with animations, short videos, charts, live specimens, model making etc.
- In order to make "learning" a pleasure, various creative methods are employed to boost up interest in students so as to enable them to choose their own areas of interest by allotting them with general and subject assignments, review projects to a group consisting of 4-5 students. This will help in developing their negotiating, managerial skills, time management, presentation skills involving compilation, documentation and effective presentation of their findings.

Practicals: The practicals are conducted as prescribed in the curriculum and according to the instructions in the laboratory manual for respective course. The students work individually to develop their practical skills and also in groups to develop good communication and leadership skills. The observations are recorded in the practical journals which are evaluated regularly.

The students are provided with following materials as Time Table Schedule, Calendar of events, Lesson Plans, Seminars / Presentations for smooth conduct of academic schedule.

Feedback is collected at the end of each semester for improvement of teaching- learning system and facilities.

Time Table Schedule for B. Pharm:

The time table for the classes were prepared according to the academic calendar and

the prescribed syllabus with specific classroom

Time Table of Odd Semester B. Pharm (2021-2022)

B. Pharm. Sem I

Ponda Education Society's Rajaram and TarabaiBandeekar College of Pharmacy, Farmagudi, Ponda, Goa Time Table for B. Pharm. Sem I 2021 With Effect from 29 th November 2021							
Day / Time	9.00-10.00	10.00-11.00	11.00-12.00	12.00-1.00	1.00-1.30	1.30- 5.30pm	
Mon	Pceutics (SS)	HAP -I (MD)	PIC (SV)	Com Skill (SK)	LUNCH BREAK	A P.Analysis -SV(PA Lab) B-HAP -MD (Pcology Lab) C-Pharmaceutics - KK(Pceutics I Lab) D-PIC-AJ (Ph Chem II Lab)	
Tue	PIC (AJ)	HAP -I (GA)	Pceutics (SS)	PIC (AJ)	LUNCH BREAK	BP.Analysis -SV(PA Lab) C-HAP -GA (Pcology Lab) D-Pharmaceutics - SS (Pceutics I Lab) A-PIC-AJ (Ph Chem II Lab)	
Wed	Pceutics (SS)	HAP -I (MD)	REM Bio /Maths GA/SK	PA (SV)	LUNCH BREAK	CP.Analysis -SV(PA Lab) D-HAP -GA(Pcology Lab) A-Pharmaceutics -SS(Pceutics I Lab) B-PIC-AJ (Ph Chem II Lab)	
Thur	Pceutics (SS)	PIC (SV)	HAP -I (GA)	PA (AJ)	LUNCH BREAK	D- Comm Skill A-HAP -MD(Pcology Lab) B-Pharmaceutics SS(Pceutics I Lab) C-PIC-AJ (Ph Chem II Lab)	
Fri	REM Bio /Maths NG/SK	A-Comm Skill /Rem BioPrac		B-Comm Skill /Rem BioPrac		LUNCH BREAK	D-P.Analysis -SV(PA Lab) C- Comm Skill /Rem BioPrac
Sat	PA (SV)	Com Skill (SK)	PA (AJ)				

Batch A-1 to 30, Batch B-31 to 60, Batch C- 61 to 90 D-91-119

Class Coordinator Ms-Saumya Vernekar

1.SNM-Dr. S.N.Mamledesai 2. MD-Dr Mangirish Deshpande,3.GA-Ms Gauri Pai Angle, 4.SV-Mrs.SaumyaVernekar, 5. SS -Mr Sandesh Somnache.6 SK-Ms Sarika Kerkar7 AJ-Ashwini Jadhav8 KK- Kamakshi Kunkolienkar9 NG- Dr NilambariGurav

Note : Any adjustments to be brought to the notice of undersigned



PRINCIPAL
PES's Rajaram and Tarabai Bandekar
College of Pharmacy
Farmagudi Ponda - Goa

Ponda Education Society's
Rajaram and TarabaiBandeekar College of Pharmacy, Farmagudi, Ponda, Goa
Time Table for B. Pharm. Sem III 2021 With Effect from 29th November 2021

Day / Time	9.00-10.00	10.00-11.0	11.0-12.00	12.00-1.00	1.00-1.30	1.30-2.30	2.30-3.30	3.30-4.30
Mon	A-P.Eng -PG- (Lab Pceutics III) B-P.Pcy-SSB-(Pceutics Lab II) C-P.Micro- PD-(Micro Lab) D-POC-II-SV (Pchem Lab II)				LUNCH BREAK	P.Eng (PG)	POC-II (LS)	PP-I (SMK)
Tue	B-P.Eng -PG- (Lab Pceutics III) C-P.Pcy-SMK-(Pceutics Lab II) D-P.Micro- KK-(Micro Lab) A-POC-II- SNM(Pchem Lab II)				LUNCH BREAK	P.Micro (KK)	P.Eng (PG)	POC-II (LS)
Wed	C-P.Eng -AP- (Lab Pceutics III) D-P.Pcy-SMK-(Pceutics Lab II) A-P.Micro- KK-(Micro Lab) B-POC-II- SV (Pchem Lab II)				LUNCH BREAK	PP-I (SMK)	P.Micro (KK)	P.Eng (PG)
Thur	D-P.Eng -PG- (Lab Pceutics III) A-P.Pcy-SMK-(Pceutics Lab II) B-P.Micro- KK-(Micro Lab) C-POC-II- SV (Pchem Lab II)				LUNCH BREAK	P.Eng (PG)	POC-II (SV)	PP-I (SMK)
Fri	POC-II (SV)	P.Micro (KK)	PP-I (SMK)	P.Micro (KK)	LUNCH BREAK	PA-I*(1.30pm-5.30pm)		
Sat	PA * (SV)	Comm Skill*	PAI* (AJ)	-				

Class Coordinator -Dr Swati M Keny

Note * Lecture for Direct admission (Diploma to degree) students

1.SNM-Dr. S.N.Mamledesai, 2.AMG-Dr. Ajeet Godbole,3.CN- Dr. Celina Nazareth, 4. SPB-Dr. Shilpa Bhilegaonkar, 5.SSB-Dr Suwarna Bobde, 6.LS-Dr.LeenaSawalkar, 7.SMK-Dr.SwatiKeny 8.PD-Dr.Pearl Dighe, 9. MD-Dr .Mangirish Deshpande,10. BB-Mr.BheemangaudaBiradar, 11.PG- Mr. Pankaj Gajare, 12.SN-Ms Soniya Naik, 13.GA-Ms Gauri Pai Angle, 14.SV-Mrs.SaumyaVernekar, 15.AP-Ms Aarti Podnekar 16. SS -Mr Sandesh Somnache,17 SK-Ms Sarika Kerkar 18. CT -Chatali Tendulkar 19 AJ-Ashwini Jadhav20 KK- Kamakshi Kunkolienkar 21 NG-Dr NilambariGurav 22 RN- Mr Rajan Naik

Note : Any adjustments to be brought to the notice of undersigned



PRINCIPAL
PES's Rajaram and Tarabai Bandekar
College of Pharmacy
Farmagudi Ponda Goa

**Ponda Education Society's
Rajaram and Tarabai Bandekar College of Pharmacy, Farmagudi, Ponda, Goa
Time Table for B. Pharm. Sem V 2021 With Effect from 29th November 2021**

Day / Time	9.00--10.00	10.00-11.00	11.00-12.00	12.00-1.00	1.00-1.30	1.30- 2.30	2.30-3.30
Mon	Med Chem II (CT)	Pcognosy II (GA)	Pcology-II (BB)	IP-I (AP)	LUNCH BREAK	Practical (1.30-5.30pm) A-Industrial pecy -I -AP (Pceutics III Lab) B-Pharmacology -II-BB (Pcology Lab) C-Pharmacognosy-II-NG (Pcognosy Lab)	
Tue	Pcology-II (BB)	Med Chem II (SN)	P. Juris (RN)	IP-I (AP)	LUNCH BREAK	Practical (1.30-5.30pm) B-Industrial pecy -I -AP (Pceutics III Lab) C-Pharmacology -II-BB (Pcology Lab) A-Pharmacognosy-II-NG (Pcognosy Lab)	
Wed	Med Chem II (CT)	Pcognosy II (Dr.NG)	Pcology-II (BB)	Pcology-II (BB)	LUNCH BREAK	Practical (1.30-5.30pm) C-Industrial pecy -I -AP (Pceutics III Lab) A-Pharmacology -II-BB (Pcology Lab) B-Pharmacognosy-II-NG (Pcognosy Lab)	
Thur	Pcognosy II (GA)	IP-I (AP)	P. Juris (SPB)	Med Chem II (CT)	LUNCH BREAK	-	-
Fri	IP-I (AP)	Pcognosy II (Dr.NG)	P. Juris (RN)	P. Juris (SPB)	LUNCH BREAK	-	-
Sat							

Batch A-1 to 28, Batch B-29 to 56, Batch C- 57 to 84

Class Coordinator -Dr Nilambari Gurav

1.SNM-Dr. S.N.Mandedesai, 2.AMG-Dr. Ajeet Godbole,3.CN-Dr. Celina Nazareth, 4.SPB-Dr. Shilpa Bhilegaonkar, 5.SSB-Dr. Suwarna Bobde, 6.LS-Dr. Leena Sawalkar, 7.SMK-Dr. Swati Keny, 8.PD-Dr. Pearl Dighe, 9. MD-Dr. Mangirish Deshpande, 10. BB-Mr. Bheemangaada Biradar, 11.PG- Mr. Pankaj Gajare, 12.SN-Ms. Soniya Naik, 13. GA-Ms. Gauri Pai Angle, 14.SV-Mrs. Saumya Vernekar, 15.AP-Ms. Arti Pednekar, 16. SS -Mr. Sandesh Somnache, 17 SK-Ms. Sarika Kerkar, 18. CT -Chatali Tendulkar, 19. AJ-Ashwini Jadhav, 20 KK- Kamakshi Kunkolienkar, 21 NG- Dr Nilambari Gurav, 22 RN- Mr. Rajan Naik



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College of Pharmacy

**Ponda Education Society's
Rajaram and TarabaiBandeekar College of Pharmacy, Farmagudi, Ponda, Goa
Time Table for B. Pharm. Sem VII 2021 With Effect from 29th November 2021**

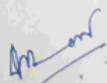
DAY/TIME	9-10	10-11	11-12	12-1	1-1.30	1.30-2.30	2.30-3.30	3.30-4.30
MON	-	Industrial Pcy II (SPB)	Inst Analysis (CN)	Inst Analysis (CN)	LUNCH BREAK	NDDS (PD)	Industrial Pcy II (SSB)	Inst Analysis (CT)
TUE	-	Industrial Pcy II (SSB)	Pharmacy Practice (MD)	Pharmacy Practice (MD)	LUNCH BREAK	NDDS (PD)	NDDS (AMG)	Inst Analysis (CT)
WED	-	NDDS (AMG)	Industrial Pcy II (SPB)	LUNCH BREAK (12.00-12.30)	Instrumental Analysis (PA Lab-Batch A&B) CT Instrumental Analysis (M. Pharm Chem Lab-Batch C&D) LS (12.30.00pm-4.30pm)			
THUR	Pharmacy Practice (BB)	Practice School A-Pharmaceutics (SSB) B-Ph Chem (SN) C-Pharmacology (MD) D- Pharmacognosy (NG)			LUNCH BREAK	Practice School B-Pharmaceutics (SSB) C-Ph Chem (CT) D-Pharmacology (BB) A- Pharmacognosy (NG)		
FRI	Pharmacy Practice (MD)	Practice School C-Pharmaceutics (PD) D-Ph Chem (CT) A-Pharmacology (MD) B- Pharmacognosy (GA)			LUNCH BREAK	Practice School D-Pharmaceutics (PD) A-Ph Chem (LS) B-Pharmacology (BB) C- Pharmacognosy (GA)		
SAT								

Batch A-1 to 17, Batch B-18 to 34, Batch C-35 to 51, Batch D 52-68

Class Coordinator - Dr Shilpa Bhilegaonkar

1.SNM-Dr. S.N.Mamledesai, 2.AMG-Dr. Ajeet Godbole, 3.CN- Dr. Celina Nazareth, 4.SPB-Dr. Shilpa Bhilegaonkar, 5.SSB-Dr. Suwarna Bobde, 6.LS-Dr. Leena Sawalkar, 7.SMK-Dr. Swati Keny, 8.PD-Dr. Pearl Dighe, 9. MD-Dr. Mangirish Deshpande, 10. BB-Mr. Bhemangauda Biradar, 11.PG- Mr. Pankaj Gajare, 12.SN-Ms. Soniya Naik, 13.GA-Ms. Gauri Pai Angle, 14.SV-Mrs. Saumya Vernekar, 15.AP-Ms. Arti Pednekar, 16. SS-Mr. Sandesh Somnache, 17.SK-Ms. Sarika Kerkar, 18. CT-Chatali Tendulkar, 19. AJ-Ashwini Jadhav, 20.KK- Kamakshi Kunkolienkar, 21.NG- Dr. Nilambari Gurav, 22.RN- Mr. Rajan Naik

Note : Any adjustments to be brought to the notice of undersigned



**Ponda Education Society's
Rajaram and Tarabai Bandekar College of Pharmacy, Farmagudi, Ponda, Goa
Time Table for B. Pharm. Sem II 2022 With Effect from 9th May 2022**

Day / Time	9.00-10.00	10.00-11.00	11.00-12.00	12.00-1.00	1.00-1.30	1.30- 5.30pm
Mon	Patho (KK)	POC-I (AJ)	HAP -II (AP)	EVS (NG)	LUNCH BREAK	A Biochem -CN (Pceutics III Lab) B-HAP II -AP (Pcology I Lab) C-POC-I LS (P.Chem Lab II) D-Comp App-SK (Comp Lab)
Tue	Biochem (SV)	HAP -II (AP)	POC-I (AJ)	Comp App (SK)	LUNCH BREAK	Biochem -SV (Pceutics III Lab I) B-HAP II -AP (Pcology I Lab) C-POC-I AJ (P.Chem Lab II) D-Comp App-SK (Comp Lab)
Wed	Comp App (SK)	Patho (AP)	HAP-II (KK)	EVS (SMK)	LUNCH BREAK	A Biochem -SV (Pceutics III Lab I) B-HAP II -KK (Pcology I Lab) C-POC-I AJ (P.Chem Lab II) D-Comp App-SK (Comp Lab)
Thur	Biochem (SV)	POC-I (AJ)	HAP -II (KK)	Patho (AP)	LUNCH BREAK	A Biochem -SV (Pceutics III Lab I) B-HAP II -KK (Pcology I Lab) C-POC-I AJ (P.Chem Lab II) D-Comp App-SK (Comp Lab)
Fri	EVS (SMK)	Biochem (SV)	POC-I (AJ)	Patho (KK)	LUNCH BREAK	Biochem (SV)
Sat						

Batch A-1 to 30, Batch B-31 to 60, Batch C- 61 to 90 D-91-119

Class Coordinator Ms-Saumya Vernekar

1.SNM-Dr. S.N.Mamledesai 2. MD-Dr Mangirish Deshpande, 3.GA-Ms Gauri Pai Angle, 4.SV-Mrs.Saumya Vernekar, 5. SS -Mr Sandesh Somaache.6 SK-Ms Sarika Kerkar 7 AJ-Ashwini Jadhav 8 KK- Kamakshi Kunkolienkar 9 NG- Dr Nilambari Gurav 10PGD-Ms Prachita Gauns Desai

Note : Any adjustments to be brought to the notice of undersigned



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Farmagudi Ponda Go

**Ponda Education Society's
Rajaram and Tarabai Bandekar College of Pharmacy, Farmagudi, Ponda, Goa
Time Table for B. Pharm. Sem IV 2022 With Effect from 11th March 2022**

Day / Time	9.00-10.00	10.00-11.00	11.0-12.00	12.00-1.00	1.00-1.30	1.30-2.30	2.30-3.30	3.30-4.30
Mon	A-Pcology I-BB- (Pcology Lab I) B-PP II-SMK-(Pceutics Lab II) C-Pcognosy-IGA-(Pcognosy Lab) D-MC-I-PGD (Pchem Lab I)				LUNCH BREAK	Med Chem I (AJ)	PP II (SMK)	Pcology I (BB)
Tue	B-Pcology I-BB- (Pcology Lab II) C-PP II-SS-(Pceutics Lab II) D-Pcognosy-IGA-(Pcognosy Lab) A-MC-I-SN (Pchem Lab I)				LUNCH BREAK	Med Chem I (SN)	POC III (PGD)	Pcognosy I (GA)
Wed	C-Pcology I-SS- (Pcology Lab II) D-PP II-SPB-(Pceutics Lab II) A-Pcognosy-IGA-(Pcognosy Lab) B-MC-I-PGD (Pchem Lab I)				LUNCH BREAK	POC III (PGD)	Pcognosy I (GA)	Pcology I (BB)
Thur	D-Pcology I-BB- (Pcology Lab II) A-PP II-PD-(Pceutics Lab II) B-Pcognosy-IGA-(Pcognosy Lab) C-MC-I-PGD (Pchem Lab I)				LUNCH BREAK	PP II (SMK)	Pcology I (BB)	POC III (PGD)
Fri	POC III (PGD)	Med Chem I (SN)	PP II (AP)	Pcology I (BB)	LUNCH BREAK	Med Chem I (AJ)	Pcognosy I (GA)	PP II (AP)
Sat	Pcognosy I (GA)			-				

Batch A-1 to 32, Batch B-33 to 65, Batch C- 66 to 97 D-98-125 Class Co-ordinator: Dr Swati M Keny

1.SNM-Dr. S.N.Mamlodesai, 2.AMG-Dr. Ajeet Godbole, 3.CN- Dr. Celina Nazareth, 4.SPB-Dr. Shilpa Bhilegaonkar, 5.SSB-Dr. Suvarna Bobde, 6.LS-Dr. Leena Sawalkar, 7.SMK-Dr. Swati Keny, 8.PD-Dr. Pearl Dighe, 9. MD-Dr. Mangirish Deshpande, 10. BB-Mr. Bhemangauda Biradar, 11.PG- Mr. Pankaj Gajare, 12.SN-Ms. Soniya Naik, 13.GA-Ms. Gauri Pai Angle, 14.SV- Mrs. Saumya Vernekar, 15.AP-Ms. Arti Pednekar, 16. SS-Mr. Sandesh Somnache, 17. SK-Ms. Sarika Kerkar, 18. CT-Chatali Tendulkar, 19. AJ-Ashwini Jadhav, 20. KK- Kamakshi Kunkolienkar, 21. NG- Dr. Nilambari Gurav, 22. PGD-Prachita Gauns Desai, 23- RN- Mr. Rajan Naik

Note : Any adjustments to be brought to the notice of undersigned



(Signature)

PRINCIPAL

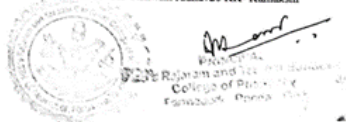
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College of Pharmacy
Farmagudi Ponda Goa

**Ponda Education Society's
Rajaram and TarabaiBandeekar College of Pharmacy, Farmagudi, Ponda, Goa
Time Table for B. Pharm. Sem VI 2022 With Effect from 4th April 2022**

Day / Time	9.00-10.00	10.00-11.00	11.00-12.00	12.00-1.00	1.00-1.30	1.30- 2.30	2.30-3.30
Mon	Biopharm (SS)	HDT (NG)	Biotech (PD)	PQA (SSB)	LUNCH BREAK	Practical (1.30-5.30pm) A-Med Chem -III -CT (P.Chem I Lab) B-Pharmacology -III-MD (PcologyII Lab) C-HDT-NG (Pcognosy Lab)	
Tue	HDT (NG)	Pcology III (MD)	Biotech (KK)	Med Chem III (CT)	LUNCH BREAK	Practical (1.30-5.30pm) B-Med Chem -III -CT (P. Chem I Lab) C-Pharmacology -III-MD (Pcology II Lab) A-HDT-NG (Pcognosy Lab)	
Wed	Med Chem III (CT)	HDT (NG)	PQA (SSB)	Pcology III (MD)	LUNCH BREAK	Practical (1.30-5.30pm) C-Med Chem -III -CT (P. Chem I Lab) A-Pharmacology -III-MD (Pcology IILab) B-HDT-NG (Pcognosy Lab)	
Thur	Pcology III (MD)	Biopharm (SS)	HDT (NG)	Med Chem III (CT)	LUNCH BREAK	Biotech (PD)	PQA (RN)
Fri	Biotech (KK)	Biopharm (SS)	Pcology III (MD)	Med Chem III (CT)	LUNCH BREAK	Biopharm (SS)	PQA (RN)
Sat							

1.SNM-Dr. S.N.Mamledesai, 2.AMG-Dr. Ajeet Godbole,3.CN- Dr. Celina Nazareth, 4.SPB-Dr. Shilpa Bhilegaonkar, 5.SSB-Dr Suvarna Bobde, 6.LS-Dr.LeenaSawakar, 7.SMK-Dr.SwatiKeny 8.PD-Dr.Pearl Dighe,, 9. MD-Dr .Mangirish Deshpande,10. BB-Mr.BheemangadaBiradar, 11.PG- Mr. Pankaj Gajare, 12.SN-Ms Soniya Naik, 13.GA-Ms Gauri Pai Angle, 14.SV-Mrs.SaumyaVernekar, 15.AP-Ms Arti Pednekar 16. SS -Mr Sandesh Somnache,17.SK-Ms Sarika Kerkar 18. CT -Chatai Tendulkar 19. AJ-Ashwini Jadhav20.KK- Kamakshi Kunkolienkar 21 NG- Dr NilambariGurav 22 PGD -PrachitaGauns Desai 23-RN- Mr Rajan Naik

Note : Any adjustments to be brought to the notice of undersigned




**Ponda Education Society's
Rajaram and TarabaiBandeekar College of Pharmacy, Farmagudi, Ponda, Goa
Time Table for B. Pharm. Sem VIII 2022 With Effect from 11th April 2022**

Course Schedule for B.Tech. in Automobile Engineering (2022-23) with Effect from 11 April 2022							
Day / Time	9.00--10.00	10.00-11.00	11.00-12.00	12.00-1.00	1.00-1.30	1.30- 4.30	
Mon	PMM (PG)	RM (AMG)	AIT (SV)	Biostats (SK)	LUNCH BREAK	Elective Subject Project Work	
Tue	AIT (CT)	Ph. PD (PD)	PMM (PG)	SPP (PGD)	LUNCH BREAK	Elective Subject Project Work	
Wed	AIT (SV)	PMM (MD)	Ph.PD (PD)	SPP (BB)	LUNCH BREAK	Elective Subject Project Work	
Thur	AIT (CT)	SPP (BB)	Ph.PD (SSB)	PMM (PG)	LUNCH BREAK	Elective Subject Project Work	
Fri	Biostats (SK)	RM (AMG)	Ph.PD (SSB)	SPP (PGD)	LUNCH BREAK	-	-
Sat					-		-
1.SNM-Dr. S.N.Mamledesai, 2.AMG-Dr. Ajeet Godbole,3.CN- Dr. Celina Nazareth, 4.SPB-Dr. Shilpa Bhilapkar, 5.SPP-Dr. Dr.Swagata Ghosh & PD-Dr. Pratik Chaudhary							

1.SNM-Dr. S.N.Mamledesai, 2.AMG-Dr. Ajeet Godbole, 3.CN- Dr. Celina Nazareth, 4.SPB-Dr. Shilpa Bhilegaonkar, 5.SSB-Dr. Suwarna Bobde, 6.LS-Dr. Leena Sawalkar, 7.SMK-Dr. Swati Keny, 8.PD-Dr. Pearl Dighe, 9. MD-Dr. Mangirish Deshpande, 10. BB-Mr. Bhoemangauda Biradar, 11.PG- Mr. Pankaj Gajare, 12.SN-Ms. Soniya Naik, 13.GA-Ms. Gauri Pai Angle, 14.SV-Mrs. Saumya Vernekar, 15.AP-Ms. Arti Pednekar, 16. SS-Mr. Sandesh Sonnache, 17.SK-Ms. Sarika Kerkar, 18. CT -Chatali Tendulkar, 19. AJ-Ashwini Jadhav, 20.KK- Kamakshi Kunkolienkar, 21.NG- Dr. Nilambari Gurav, 22.RN- Mr. Rajan Naik

Note : Any adjustments to be brought to the notice of undersigned


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 College of Pharmacy
 Farmagudi, Ponda, Goa

Teaching Plan in the course file:

LESSON PLAN		
Name of Faculty: <u>Miss Kamakshi R.S. Kuntalinker</u> Lect. Per Week: <u>4</u>		
Class: <u>B.Pharm Semester III</u>		
Sl. No.	Topics to be Covered	No. of Lectures Required
Unit I	Introduction, history of microbiology, its branches	10
	Scope and its importance	hours
	Introduction to Prokaryotes and Eukaryotes	
	Study of ultra-structure and morphological classification of bacteria, nutritional requirements, and materials used for culture media, and physical parameters for growth, growth curve, isolation and preservation methods for pure cultures, utilization of characters, quantitative measurement of bacterial growth (Total viable count)	
	Study of different types of Phase Contrast microscopy, Dark Field Microscopy and Electron microscopy	
Unit II	Identification of bacteria using Staining Techniques (Simple, Gram's, Acid fast staining) and biochemical Tests (IMViC)	10 hours
	Study of principle, procedure, merits, demerits and applications of physical, chemical, genetic, radiation, and mechanical method of sterilization	
Name & Signature of Faculty: <u>Miss Kamakshi R.S. Kuntalinker</u> Signature of the H. O. D.: <u>(Prof. Ajaz M. Goolbshe)</u> Signature of the Principal: <u>(Prof. Ajaz M. Goolbshe)</u>		

LESSON PLAN		
Name of Faculty: <u>Kamakshi R.S. Kuntalinker</u> Lect. Per Week: <u>4</u>		
Class: <u>B.Pharm Semester III</u>		
Sl. No.	Topics to be Covered	No. of Lectures Required
	Evaluation of the efficiency of sterilization methods	
	Equipment employed in large scale sterilization	
	Evaluation of the efficiency of sterilization methods	
	Equipment employed in large scale sterilization	
	Quality indicators	
Unit III	Study of morphology, classification, reproduction, to multiplication and distribution of fungi and viruses	10 hours
	Classification and mode of action of disinfectants	
	Factors influencing Disinfection, Antibiotics and their evaluation for bacteriostatic and bactericidal action	
	Stability Testing of Products (Solids, liquids, ophthalmics and other sterile products) according to IP, BP and USP	
Unit IV	Designing of aseptic area, laminar air flow	08
	Equipment; study of different sources of contamination in an aseptic area and method of prevention, clean area classification, principles and methods of different microbiological assay	hours
	Methods for standardization of antibiotics	
	Vitamins and amino acids	
Name & Signature of Faculty: <u>Miss Kamakshi R.S. Kuntalinker</u> Signature of the H. O. D.: <u>(Prof. Ajaz M. Goolbshe)</u> Signature of the Principal: <u>(Prof. Ajaz M. Goolbshe)</u>		

Methodologies to support weak students and encourage bright students

Weak students support strategy: The institution pays extra attention to weaker students whose performance is not satisfactory. The faculty conduct extra classes, discuss various university question papers, creates an awareness in the students by pointing their mistakes in their approach towards learning in a convincing way.

Teachers attempt to enhance the performance of weak students as follows:

- Regular counselling and providing moral support by mentor teacher.
- Monitoring constantly their performance in internal tests and final examinations.
- Engaging tutorial lectures

Bright students support strategy: The bright students are encouraged to keep abreast with latest developments through various scientific magazines, journals and e-resources available in college library. They are also oriented to participate in various national and international pharmacy related events. Encouraging them to participate in state and national levels quiz and debate competitions. They are motivated to appear for entrance exams of reputed institutions for higher studies. Students are informed of the international educational opportunities available.

Quality of classroom teaching

As a part of academic audit, the principal routinely monitors the classroom teaching taking verbal feedback from the students.

Continuous Assessment for theory and practical classes

With continued quest for improving the students' performance, we at PES's Rajaram and Tarabai Bandekar College of Pharmacy have initiated continuous mode of evaluation both in the theory and practical classes. Students are evaluated for their performance in theory and practicals.

Student feedback on teaching learning process and action taken

Students feedback regarding the teaching skills of the faculty is taken at the end of each semester in the prescribed format. The feedback is evaluated by the assigned person and submitted to the head of the institution and suitable suggestions are given to faculty member for improvement wherever necessary. This helps in improving the quality within the college. The student feedback also provides a major input for revision of procedures, infrastructure facilities and teaching-learning process. The feedback from graduating students enables the college in understanding the student needs and expectations in academic and non-academic matters.

Student feedback on faculty

PES's RAJARAM & TARABAI BANDEKAR COLLEGE OF PHARMACY

FARMAGUDI, PONDA- GOA 403401

FEEDBACK FROM STUDENTS

Name of the Subject Teacher: _____ Date: ____ / ____ /20____

Subject: _____ Class (Sem): _____

NOTE: 1. Students having minimum 75% attendance & who have cleared all the subjects of previous semester are eligible to give the feedback.

2. Answer honestly without fear to all questions and select only one choice for each question.

3. Be anonymous, do not disclose your identity on feedback forms.

1. Does the teacher state the objective clearly at the beginning of each class?
Very Good ☐ Good ☐ Average ☐ Poor ☐
2. Does the teacher explain important concepts/ideas in a way that can be understood?
Very Good ☐ Good ☐ Average ☐ Poor ☐
3. Does the teacher create/stimulate interest in the subject?
Very Good ☐ Good ☐ Average ☐ Poor ☐
4. Does the teacher change the pace while presentation by shifting the emphasis on practical application of the Subject ?
Very Good ☐ Good ☐ Average ☐ Poor ☐
5. Does the teacher have clarity in his/her teaching?
Very Good ☐ Good ☐ Average ☐ Poor ☐
6. Is the teacher sympathetic & helpful towards students?
Very Good ☐ Good ☐ Average ☐ Poor ☐
7. Were the lessons/ Class on the whole effective?
Very Good ☐ Good ☐ Average ☐ Poor ☐
8. Whether teacher is audible to the whole class?
Very Good ☐ Good ☐ Average ☐ Poor ☐
9. Does the teacher help you regarding your doubts outside the classroom to the subject ?
Very Good ☐ Good ☐ Average ☐ Poor ☐
10. Does the teacher give current information about the subject topic?
Very Good ☐ Good ☐ Average ☐ Poor ☐
11. Do you feel the teacher has command over the subject?
Very Good ☐ Good ☐ Average ☐ Poor ☐

12. Whether the teacher is on right time to the class?
 Very Good ☐ Good ☐ Average ☐ Poor ☐
13. Whether the teacher is prompt in completion of syllabus as per subject plan?
 Very Good ☐ Good ☐ Average ☐ Poor ☐
14. Whether the teacher regularly engages classes as per time table?
 Very Good ☐ Good ☐ Average ☐ Poor ☐
15. Whether teacher takes full class as per allotted time? (1 hour)
 Very Good ☐ Good ☐ Average ☐ Poor ☐

Student feedback on Curriculum



PES's RAJARAM & TARABAI BANDEKAR COLLEGE OF PHARMACY
 FARMAGUDI, PONDA- GOA, INDIA, 403401.



COURSE END FEEDBACK FORM

As part of Continuous Quality Improvement, your feedback is valuable

PROGRAMME	B.Pharm. <input type="checkbox"/> / M.Pharm. <input type="checkbox"/>
ACADEMIC YEAR	20__ - __
SEMESTER	I / II / III / IV / V / VI / VII / VIII
COURSE CODE	

SR. NO.	PARTICULARS	FEEDBACK (Put ✓)		
		AGREE	DISAGREE	NOT SURE
1.	OUTCOMES FOR THE COURSE WERE CLEAR			
2.	COURSE OUTCOMES MET THE COMPETENCIES AS PER THE COURSE CONTENT			
3.	TIMELY COMPLETION OF COURSE CONTENTS			
4.	ACHIEVEMENT OF SET COURSE OUTCOMES			
5.	AVAILABILITY OF TEXT BOOKS/ STUDY MATERIAL			
6.	RELEVANCE OF COURSE CONTENT TO PRACTICAL ASPECTS			
7.	LECTURES CONDUCTED AS PER THE TIME TABLE			
8.	INTELLECTUAL STIMULATION BY COURSE CURRICULUM			
9.	THE COURSE CONTENT IS			

	RELEVANT TO PROGRAMME OUTCOMES			
10.	USEFULLNESS OF ASSIGNMENTS AND PRACTICAL DEMONSTRATIONS CONDUCTED			

-----THANK YOU FOR YOUR PARTICIPATION -----

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

Institute Marks : 10.00

The CBCS curriculum of Goa University gives a weightage of 75% of marks for semester end examination and 25% marks for internal examination. The end semester examination question paper setting consists of an external paper setter who shall set 3 sets of question appears along with the answer keys packed in a separate envelopes with paper marking of I, II, III respectively. The internal paper setter will be an internal examiner who is chosen from University approved panel of examiners who is the "Chairman" for that subject and receives the end semester examination question paper sent by the university approved question paper setter.

All the three sets will be thoroughly scrutinised. The internal paper setter who is also the chairman for that particular subject again prepares 3 sets of question papers giving equal weightage to the external paper setter. The internal assessment examination, the subject in-charge sets up the question papers for 30 marks categorised as long essay, short essay and short answers respectively. The prepared manuscript is submitted in a duly signed, sealed envelope as per the directions of the examination in charge within the stipulated.

The answer scripts of all the semester I, III, V, VII (Odd Semesters) and semester II, IV, VI, and VIII are evaluated and moderated at the university level through a "Central Assessment Programme". The external and internal examiners will value the answer scripts and enter the marks secured in the marksheet provided by the university and submit the same to the CAP director who will carefully scrutinise the marks awarded to individual answers and also cross checks the final total.


Assignments and evaluation

Assignment is an interactive learning tool that facilitates student to do self-management of knowledge. The teachers during the regular classes teach the students to write the appropriate answers to each question. The major issues the students face are identified and addressed using remedial measures.

Internal Assessment Model Question Paper-OBE

P.E.S.'s RAJARAM AND TARABAI BANDEKAR COLLEGE OF PHARMACY, FARMAGUDI-PONDA, GOA. PRACTICAL EXAMINATION (2019-20) (April- 2019)				
SUBJECT CODE: 1.4.3 p	SUBJECT NAME: PHARMACEUTICAL ORGANIC CHEMISTRY IV	B PHARM SEM- IV Batch I		
DATE: 26/04/2019	TIME: 9:00am-1:00pm	TOTAL MARKS: 10		
QUESTION NO.	QUESTION	MARKS	CO NO.	PO NO.
1	<p>Synopsis :</p> <ol style="list-style-type: none"> 1. Define Iodine Value. 2. Write the reaction involved in quantitative determination of amino group by bromination method 3. Write reaction involved in synthesis of benzamide from benzophenone. 	02	1.4.3 P1 1.4.3 P3	1,2,3,11
	EXPERIMENT			
2	<p>Determination of equivalent weight of given carboxylic acid by acid - base titration.</p> <p><u>Procedure for standardization of NaOH</u> Pipette, out 10ml of 0.05N Oxalic acid solution into 250ml conical flask. Add 2 drop of Phenolphthalein indicator and titrate with 0.05N NaOH until pale pink colour is obtained.</p> <p><u>Procedure:</u> Weigh accurately about 0.6gm of acid sample in a 100ml volumetric flask and dissolve it in 100ml distilled water. Pipette out 20ml from it into 250ml conical flask. Add 1-2drops phenolphthalein indicator and titrate against 0.05N NaOH solution until a faint pink color is obtained.</p>	06	1.4.3 P2	1,2,3,11
3	Viva-voce and Journal	02	1.4.3 P1 1.4.3 P2 1.4.3 P3	1,2,3,11

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 P.E.S.'s RAJARAM AND TARABAI BANDEKAR COLLEGE OF PHARMACY, ^{POC - III} _{2018 T, Sem II}
 FARMAGUDI-PONDA, GOA.
 FIRST INTERNAL ASSESSMENT THEORY EXAMINATION
 (2018-19) (October- 2018)

SUBJECT CODE: 1.3.4 T	SUBJECT NAME: PHARMACEUTICAL ORGANIC CHEMISTRY II	B.PHARM, SEM-II
DATE: 22/10/2018	TIME: 10:00 a.m. to 11:00 am	TOTAL MARKS: 10

QUESTION NO.	QUESTION	MARKS	CO NO.	PO NO.
1	Answer <u>any two</u> of the following: I. Explain the reaction and mechanism involved in Haworth's synthesis of Anthracene. II. Explain the reaction and mechanism involved in Knorr Pyrrole synthesis. III. Write the different possible conformations of n-butane and explain the stability with the help of potential energy diagram.	2 X 3=6	1.3.4 T1 1.3.4 T3 1.3.4 T5	1.3,11
	Answer any two from the following: i. Justify why electrophilic substitution of Pyrrole take a place at position-2 and give any two substitution reactions of Pyrrole. ii. Write any four chemical reactions of quinoline. iii. Write a note on SN2 reaction.	2X2=4	1.3.4 T3 1.3.4 T4 1.3.4 T5 1.3.4 T6	1.3,11

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**P.E.S.'s RAJARAM AND TARABAI BANDEKAR COLLEGE OF PHARMACY,
FARMAGUDI-PONDA, GOA.
Academic Year: 20021-22
SECOND INTERNAL ASSESSMENT THEORY EXAMINATION, March -2022.**

BP 103 T	PHARMACEUTICS	B. PHARM. SEM-I
Date 12/03/2022	Time: 10:00a.m. to 11:30 am	Total marks 30

Instructions: Draw neat labelled diagrams whenever necessary.

I	Long Essay (Answer any ONE of the following TWO questions)	(01 x10 = 10)	CO No	PO No
1.	Compare o/w and w/o type of emulsion. Describe in detail tests to identify type of emulsion?		BP103T2	1,11
2.	Write advantages, disadvantages and general formulation of pharmaceutical suspensions. Differentiate flocculated and deflocculated suspensions		BP103T2	1,11
II	Short Essay (Answer any TWO of the following Three questions)	(02 x 05 =10)	CO No	PO No
3.	Describe general method for preparation of Suspension containing precipitate forming liquid		BP103T3	2,3,6,11
4.	Define emulsion. Write general formula used for preparation of primary emulsion.		BP103T3	2,3,6,11
5.	Explain the concept of Displacement value with help of suitable example.		BP103T3	2,3,6,11
III	Short Answers (All questions are compulsory)	(05 x 02= 10)	CO No	PO No
6.	What are the ideal properties of suppository bases?		BP103T3 BP103T4	2,3,6,7,11
7.	Enlist various methods used to overcome physical incompatibility in the prescription		BP103T3 BP103T4	2,3,6,7,11
8.	Define Creaming and Cracking		BP103T2	1,11
9.	Describe in brief: permissible incompatibility and preventable incompatibility		BP103T3 BP103T4	2,3,6,7,11
10.	Enlist any two examples of suspending agents and emulsifying agent.		BP103T2 BP103T3 BP103T4	1,2,3,6,7,11

P.E.S.'s RAJARAM AND TARABAI BANDEKAR COLLEGE OF PHARMACY,

FARMAGUDI-PONDA, GOA.

FIRST INTERNAL ASSESSMENT PRACTICAL EXAMINATION

(2021-2022) (July-2022)

Subject Code: BP207P	Subject Name: Human Anatomy and Physiology-II	B.Pharm. Sem- II (BATCH B)
Date: 11/07/2022	Time: 1:30 pm to 5:30 pm	Total Marks: 40

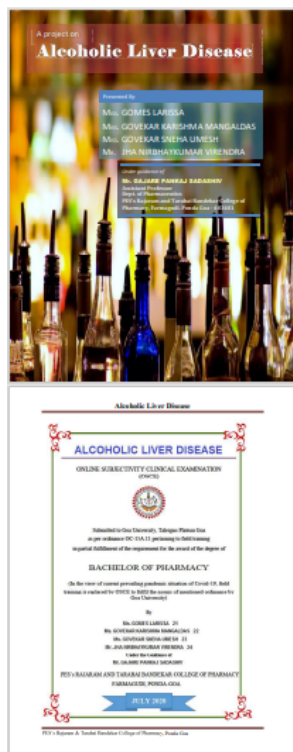
Question No.	Question	Marks	Co No.	Po No.
I	Synopsis 1. Write a short note on structure of skin (5 mks) 2. Explain in short the mechanism of Olfaction (5 mks)	10 mks	BP207P1	1,2,6,8,9,11
			BP207P5	1,2,6,8,9,11
II	Major Experiment Identify the given permanent slide and mark the various parts and write a note on the Anatomy and Histology of the same	15 mks	BP207P2	1,2,3,6,8,9,11
III	Minor Experiment a. Identify the various family planning devices and give its function b. Calculate the Body Mass Index and record the observation and comment on the results obtained. c. Calculate your distinct vision using Snellen's Chart and record the observation and comment on the results obtained	10 mks	BP207P1,	1,2,6,8,9,11
			BP207P3	1,2,3,6,8,9,11
			BP207P4	1,2,3,6,8,9,11
			BP207P5	1,2,6,8,9,11
IV	Viva-Voce	05 mks	BP207P1 BP207P2, BP207P4 BP207P5	1,2,6,8,9,11 1,2,3,6,8,9,11 1,2,3,6,8,9,11 1,2,6,8,9,11

2.2.3 Quality of Students projects (15)

Institute Marks : 15.00

As a part of the new regulations for B. Pharm degree Programme of semester VIII, students are required to take up a small project in a group (3 to 5) and on completion of project submit a report. The students have to submit the report in a prescribed format with Abstract, Introduction, Rationale, Literature Review, Materials and Methods, Results and Discussion, Summary and Conclusion. The students are required to present their work either by way of poster or oral presentation before an audience and the evaluating team. The evaluators will thoroughly scrutinize the projects on Sustainability of the work, presentation, defending ability etc. The students in semester VIII are allotted guides based on their merit; and the area of research work of the group of students allotted is decided by the respective guide. The guides while allocating the project work are required to keep in view personal and environmental, safety, ethical considerations. In order to smoothen this process of research work to be done by the students in semester VIII, initiative is taken in the semester VI wherein students are divided in groups of 4-5, are allotted guides who will assign the students topics and guide them how to carry out review of literature on any research topic of their interest. This activity will make the students more focused, proactive and improve their critical thinking and planning ability.

The students with old B. Pharm syllabus do not have research projects like the PCI syllabus in semester VIII. Hence in order to compensate for this GAP in terms of skill development, the students in their third year were divided into groups and were asked to do literature review on various topics under guidance of faculties.



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

Institute Marks : 20.00

Great emphasis is laid to provide hands-on-training to the students in handling of the available equipments, validation of equipments, good documentation practices, and career opportunities in pharmaceutical industries. The pharmaceutical industries in the state of Goa provide excellent infrastructural facilities and is recognised globally as an export hub of pharmaceuticals.

As per **OC-70.11** every student shall be required to work for a minimum of **150 hours** spread over **four weeks** in a Pharmaceutical Industry in their Production unit, Quality Control department, Quality Assurance department, Analytical laboratory, Chemical manufacturing unit, Pharmaceutical R&D, or Hospital (Clinical Pharmacy), Clinical Research Organization, Community Pharmacy, etc. After second year, the student shall submit satisfactory report of such work and certificate duly signed by the authority of training organization to the Head of the Institute.

The pharmaceutical industries in Goa support the institute in various ways like research collaborations book and equipment donations etc. The institute has signed MOUs with Vergo Clinicals Pvt Ltd Goa and Amsar Goa Private Limited Colvale Industrial Estate, Colvale, Bardez – Goa to ensure students are trained and industry ready.

VerGo Pharma Research Pvt. Ltd.
(Division - VerGo Clinicals)

VerGo Clinicals
Spirit of Health

To,
The Principal
Rajaram and Tarabai Bandekar College of Pharmacy
Farmagudi, Ponda
Goa 403401

03-Feb-2022

Sub: MOU (Memorandum of Understanding) for Training of M.Pharm Students

Dear Sir,

With reference to the resume of M.Pharm. (Pharmaceutical Chemistry) candidates and subsequent telephonic conversation with the management, we are pleased to inform you that we have selected the following candidates for training in the Bio Analytical Department of our organization on the terms and conditions mutually agreed as below:-

Names of the Selected Candidates:
1. Ms Osleen Pinto
2. Ms Gokuldas Kamat
Duration: 01-Feb-2022 to 30-Apr-2022

Terms and conditions:

1. Students are requested to join on or before for the period of 3 months in the academic year 2021-22.
2. It is understood by college & students that VerGo Pharma Research Pvt. Ltd. Does not take any responsibility of the students. Hence students are requested to maintain their behaviour, safety and honesty within and outside the Company premises. Each students will be assigned individual project decided by VerGo. Students will be exposed to Analytical operation's as and when required.
3. All confidential data generated during product development will be sole property of VerGo Pharma Research Pvt. Ltd. Only and the students or institute will not have any ownership on the data. VerGo will determine the type and quantum of data to be provided to the students for their Thesis Submission. Institute or student will not have any patent rights on the invention if any generated during the course of work. Any publication by the students, a written permission to be taken from VerGo Pharma Research Pvt. Ltd.
4. The students are required to take necessary safety precautions due to Covid & the Company will not be responsible for any events.

We wish a long term and mutually fruitful association with your institution.

Thanking you

For VerGo Pharma Research Pvt. Ltd. For Rajaram & Tarabai Bandekar College of Pharmacy

Dr Raman Batheja
Chief Operating Officer

Dr S.N. Mamladesai
Principal

12/02/2022

Registered Office: Plot No. 24-1, D1, Molaga de Orora, Corlim, Tiswadi, Goa - 403110, India.
Tel: + 91 (832) 6640400 website: www.vergolabs.com
GST. No.: 30AADCV5455E1ZM CIN: U73100GA2010PTC014001

भारतीय गैर न्यायिक
भारत INDIA
रु. 500 **FIVE HUNDRED RUPEES**
पाँच सौ रुपये **Rs. 500**
INDIA NON JUDICIAL

गोवा GOA

Serial No. 192 Place of Vend GOA Date 15/04/21 599310

Value of Stamp Paper Rs. 500

Name of The Purchaser Rajaram and Tarabai Bandekar College of Pharmacy

Resident at Farmagudi, Ponda, Goa

For the purpose of M.O.U

Signature of the Vendor
A. D. S. Kurarkar
Licence No. 2/93

Signature of Purchaser

MEMORANDUM OF UNDERSTANDING (MOU)

This Memorandum of understanding (MOU) is entered into at Ponda- Goa on this 17th day of April 2021,

BETWEEN

M/S Ponda Education Society, a Society registered under the Societies registration act, 1860 under No.34/Goa/84, having its Registered Office at Farmagudi, Ponda, Goa and represented in this act by it's Principal Dr. S.N.Mamle Desai, Rajaram and Tarabai Bandekar College of Pharmacy by virtue of Resolution passed in its Governing Council Meeting held on 09/01/2021 (herein after called the "PES" which expression shall unless repugnant to the context or meaning thereof, be deemed to mean and include it's successors and assignees) of the FIRST PART;

AND

M/S Amsar Goa Private Ltd, a company registered under the Companies Act, 1956, with the Registrar of Companies Goa, Daman & Diu, bearing registration no. U24211 GA 2003 PTC 003182 (CIN), having it's Registered office at Colvale, Goa and represented in this act by it's CEO Dr. Vikram Andrew Naharwar by virtue of Resolution dated 17/11/2020 (herein after called the "AMSAR" which expression

(1) AMSAR shall bear the entire expenditure / cost of the Institutional Animal Ethics Committee (IAEC) Meeting as and when fixed for the research activities and /or Procedures taken up by

(2) AMSAR shall bear the entire expenditure / cost of the Institutional Animal Ethics Committee (IAEC) Meeting as and when fixed for the research activities and /or Procedures taken up by

The industries that have supported the institute by providing Books, equipments include

Sr No	Company Name	Contribution
1	Blue Cross Laboratories Pvt. Ltd. Verna Industrial Estate, Verna, Goa	Colony Counter
2	Lupin Limited Verna Industrial Estate, Verna, Salcette - Goa	HPLC
3	Merck India Ltd Usgao Goa	Chemicals and Glassware
4	Cipla Ltd. Verna Industrial Estate, Verna, Salcette - Goa	Pharmacopoeias

The degree students will also be exposed to **community service** by organising health camps in association with the community health centres, local pharmacies wherein the students are encouraged to enlighten the general public about weight management, diabetes management, dietary regime for diabetic patients, importance of regular exercises, yoga, meditation, pranayama, stress management. Students are given the responsibility of patient counselling about safe use of medication, use of medical devices, self-monitoring devices, importance of handwashing etc.

The students perform street plays in local language to create awareness in general public about importance of personal hygiene and life style disorders.

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

Institute Marks : 10.00

In continuation to its drive towards excellence, the training and placement cell arranges a 04 Week in-plant training to students of B. Pharm. 3rd year in industry/community pharmacy. Before deputing students to in-plant training, the students will undergo an orientation program and the students will be enlightened with a brief overview about the activities of manufacturing industry. The pharma industries admit the students subject to vacancy available in different branches. During the in-plant training session the students will get hands on experience in handling sophisticated machinery, analytical scaleup instruments, Good documentation practices, Good Laboratory Practices under the supervision of experts. On successful completion of the training the students will receive a completion certificate duly signed by the competent authorities. The students will get acquainted with working of different machineries like Tablet Compression Machines, FTIR, UV, Lyophiliser, Probe Sonicator etc.,

Community Pharmacy Training

List of Pharmacies with number of students offered for training III B. Pharm. Students 2019 – 20

Name of Pharmacy	No. of students
Nutan Medicals Chemist & Druggist Anand Building, Sadar Ponda - Goa	1
Confianca Drug Store Chemist and Druggist Assolna - Goa	1

Dhruv Pharmacy Chemist and Druggist Rumdamol Housing Board, Margao -Goa	2
Kurtarkar Medical Stores Chemist & Druggist Kazi Bldg., Ponda - Goa	3
Parvati Medical Stores Chemist & Druggist Majikwada, Paeyem, Sattari - Goa	1
Sudeep Medical Stores Chemist & Druggist Kaziwada, Ponda – Goa	2
Cure It Chemist & Druggist Dagwal Raia, Salcete -Goa	3
Elixir Medicos Chemist & Druggist Near Classic Hospital, Malbhat, Margao -Goa	2
Laxmi Chemist & Druggist Sankhlim Hospital Junction, Gokulwadi, Sanquelim - Goa	4
Dhanlaxmi Pharmacy Chemist & Druggist Dukle Hospital, Candolim - Goa	1
Walson & Walson Pharmacy Chemist & Druggist Naika vaddo, Calangute, Bardez - Goa	1
Kuntal Medical Stores Chemist & Druggist Angelica Arcade, Quepem - Goa	1
M/S. Vaibhavi Chemist & Druggist Below CMC Community Hall, Cuncolim, Salcete - Goa	1
R. P. Medical Stores Chemist & Druggist Sapna Park, Curti, Ponda - Goa	1
M/S. Mangesh Medicals Chemist & Druggist Mangeshi - Goa	1
Farmacia We Care Chemist & Druggist Carvalho Building, Near Canara Bank, Panaji - Goa	1
Radhe Mdical Store Chemist & Druggist Mapusa, Bardez - Goa	1
Siddheshwar Medical Stores Chemist & Druggist Dabholwada. Chapora, Bardez - Goa	1
Abania Drug Stores Chemist & Druggist Calangute, Bardez - Goa	1

Shantadurga Medical Store Chemist & Druggist Near Bank of India, Muncipal Market, Bicholim - Goa	1
Take Care Pharmacy Chemist & Druggist Colvale - Goa	1
Sai Medical Chemist & Druggist Bicholim - Goa	1
M/s. Medicine World Old Market Margao - Goa	1
e-clinix Chemist & Druggist Near MES bus stop, Sancoale - Goa	1
Navhind Pharmacy New Market, Margao - Goa	1
Shri Mahalasa Chemist & Druggist Mardol, Ponda - Goa	1
M/s. Shah Chemist & Druggist Jayanti Building, Tisk, Honda, Sattari - Goa	1
Narmada Medicals Chemist & Druggist Near Kamat Nursing Home, Shantinagar, Ponda - Goa	1
Shaikh Pharmacy Karmali Building, Curchorem Goa	1
Gawandalkar Chemist & Druggist Mapusa, Bardez - Goa	1
Shantadurga Medical Stores Chemist & Druggist Upper Bazar Road, Durgabhat, Ponda - Goa	1
ABC Pharmacy Chemist & Druggist	1
Shree Medical Stores Chemist & Druggist Kayaji Skyline, Haveli, Curti, Ponda - Goa	1
Goa Generic Medical Store Chemist & Druggist Sanguem - Goa	1
Bhumika Medical Store Poke wada, Morjim, Pernem - Goa	1
Raikar Medical Stores Chemist & Druggist Paveliao Grand New Market, Station Road, Margao - Goa	1

Navdurga Chemist & Druggist Goa Velha, Goa	2
Medicure Pharmacy Chemist & Druggist Vrindavan Garden, Vankhandem, Ponda - Goa	1
Universal Medical Store Chemist & Druggist Baina, Vasco – da - Gama	4
Vira Chemist & Druggist Vithalaur, Kararpur, Bicholim - Goa	1
M/S Shiv Kamakshi Medicals Chemist & Druggist Bhatim Shiroda	2
Rohit Chemist & Druggist Quepem - Goa	1
Bismillah Medicine Near jK Bank Budgam	1
Chaitanya Medical Store Chemist & Druggist Housing Board Sankhli Goa	1
Royal Chemist & Druggist Near Nehru Stadium, Fatorda, Margao - Goa	1
New Lifeline Medical Store Opposite Almeida High School, Ponda	1
Expert Chemist & Druggist Near Caculo Mall, Panaji - Goa	1
Shirodkar Medicals Chemist & Druggist Priti Appartments, Bepquepgal, Curchorem - Goa	1
Pooja Medical Store Chemist & Druggist Mazal Waddo, Anjuna Bardez - Goa	1
Shanti Medical Store Zuarinagar - Goa	1
Shri Krishna Medical Store Chemist & Druggist Chinchinim Bazar, Near Church, Salcete - Goa	1
Farmacia Slcete Francisco Loyola Rd, New market, Margao - Goa	1
M/S. Vaibhavi Chemist & Druggist Below CMC Community Hall, Cuncolim, Salcete - Goa	1

Siddhi Medical Stores Chemist & Druggist Duler, Mapusa - Goa	1
Mauli Medical Store Chemist & Druggist Dhargal, Pedne - Goa	1
Farmacia Popular Chemist & Druggist Nipanikar Bhavan, St. Cruz, Ilhas - Goa	1
Sai Medical Chemist & Druggist Bicholim - Goa	1
Shah Pharma Chemist & Druggist Valpoi Sattari - Goa	1

List of Industries with number of students offered for Training of III B. Pharm Students 2020– 21

Name of the Industry	Number of students
Cipla Ltd. Verna Industrial Estate, Verna, Salcette - Goa	05
Indi Pharma Pvt. Ltd. Bethors Indl. Estate, Bethors, Ponda - Goa	02
Zydus Cadila Kundaim Industrial Estate, Kundaim - Goa	07
Indoco Remedies Limited Verna Industrial Estate, Verna - Goa	10
Unichem Laboratories Ltd. Pilerne, Bardez - Goa	03
GAPL Tuem Industrial Estate, Tuem, Pernem - Goa	03
Encube Ethicals Pvt. Ltd Madkaim Industrial estate, Madkaim, Marddol, Ponda- Goa	01
Micro Labs Limited Verna Industrial Estate, Verna, Salcette - Goa	03
Vergo Verna Industrial Estate, Verna, Salcette - Goa	03
DCI Pharmaceuticals Pvt. Ltd. Vidyanagar, Margao, Goa	02

Medizest Pharmaceutical Pvt. Ltd. Verna Industrial Estate, Verna, Goa	02
FDC Limited Verna Industrial Estate, Verna, Salcette - Goa	02
Sigma Laboratories Pvt. Ltd. Karaswada, Bardez, Goa	01
Centaur Pharmaceuticals Pvt. Ltd. Tivim Industrial Estate, Karaswada, Mapusa - Goa	04
Abbott India Limited Verna Industrial Estate, Verna, Salcette - Goa	03
Blue Cross Laboratories Pvt. Ltd. Verna Industrial Estate, Verna, Goa	03
Lupin Limited Verna Industrial Estate, Verna, Salcette - Goa	06
Sun Pharma Madkai Industrial Estate, Madkai, Ponda, Goa	04
Markson Pharma Ltd. Verna Industrial Estate, Verna, Goa	02

List of Industries with number of students offered for Training of III B. Pharm Students 2021-22

Name of the Industry	Number of students
Cipla Ltd. Verna Industrial Estate, Verna, Salcette - Goa	03
Medispray Laboratories Pvt. Ltd. Kundaim Industrial Estate, Kundaim - Goa	06
Zydus CadilaKundaim Industrial Estate, Kundaim - Goa	03
Indoco Remedies Limited Verna Industrial Estate, Verna - Goa	07
Unichem Laboratories Ltd. Pilerne, Bardez - Goa	02
GAPL Tuem Industrial Estate, Tuem, Pernem - Goa	02
Fertin India Pvt. Ltd. Cuncolim Industrial Estate, Cuncolim, Slacette - Goa	02

Micro Labs Limited Verna Industrial Estate, Verna, Salcette - Goa	03
Vergo Verna Industrial Estate, Verna, Salcette - Goa	03
DCI Pharmaceuticals Pvt. Ltd. Vidyanagar, Margao, Goa	03
Medizest Pharmaceutical Pvt. Ltd. Verna Industrial Estate, Verna, Goa	04
Amsar Goa Private Limited Colvale Industrial Estate, Colvale, Bardez - Goa	04
FDC Limited Verna Industrial Estate, Verna, Salcette - Goa	02
Sigma Laboratories Pvt. Ltd. Karaswada, Bardez, Goa	02
Centaur Pharmaceuticals Pvt. Ltd. Tivim Industrial Estate, Karaswada, Mapusa - Goa	04
Abbott India Limited Verna Industrial Estate, Verna, Salcette - Goa	04
Blue Cross Laboratories Pvt. Ltd. Verna Industrial Estate, Verna, Goa	02
Lupin Limited Verna Industrial Estate, Verna, Salcette - Goa	06
Sanofi India Limited Verna Industrial Estate, Verna, Goa	04
Sun Pharma Madkai Industrial Estate, Madkai, Ponda, Goa	03

Industrial Tour

Industrial visits by B. Pharm. students

Industry visits are arranged for the students of B. Pharm. on a regular basis once in a year so that students can get an opportunity to interact with the industry and get exposure to real life practices.

As per OC 70.14 of new regulations of Goa University separate marks are allotted for continuous mode of evaluation for theory and practicals. To keep a systematic track of students performance for theory and practical marks are awarded for various academic activities like surprise quizzes, Assignments. Open book examinations, group discussions to infuse confidence in students in the quality of performance both in theory and practicals

For Theory	Marks
Attendance	04
Academic activities like surprise quiz, assignment, open book examination, group discussion	03
Student Teacher Interaction	03
Total	10

For Practicals	Marks
Attendance	02
Practical record writing, regular viva-voce	03
Total	05

2.2.7 Quality of Experiments (20)

Institute Marks : 20.00

The institution is well equipped with all the basic facilities plus sophisticated manufacturing and analytical facilities. The students are explained with the construction and working of each machines/instruments. For ex: different stages of tableting right from the stage of sieving till final compression, various in preformulation parameters, precompression and post compression evaluation parameters are dealt in detail. More importance is given on formulation/evaluation of Novel Drug Delivery Systems, preparation of sample for FTIR, interpretation of the FTIR spectra obtained, and possible drug excipient interactions. Handling of various laboratory animals, feeding, dose administration, maintenance of health of the experimental animals etc. A great degree of awareness is created about various chemical hazards, fire hazards, mechanical hazards plus the preventive measures to be taken. The students are enlightened about the importance of documentation, product and process validations in detail.

Equipment	Make/Model	Subject	Name of the experiments
Double beam UV – Visible Spectrophotometer	Shimadzu UV 1800	Instrumental methods of analysis (Sem-VII)	1.Determination of lambda max and effect of solvents on lambda max. 2. Assay of paracetamol. 3. Simultaneous estimation of ibuprofen and paracetamol.
Spectro-fluorimeter	ELICO SL - 174	Instrumental methods of analysis (Sem-VII)	Estimation of quinine sulphate by fluorimetry study of quenching of fluorescence.
Colorimeter CLI57	ELICO 5.5L SOH	Instrumental methods of analysis (Sem-VII)	1. Estimation of dextrose by colorimetry. 2. Estimation of sulphanilamide by colorimetry.
HPLC	Cyber lab LC-100	Instrumental methods of analysis (Sem-VII)	Demo experiment
pH meter	ELICO LI 120	Pharmaceutical analysis (Sem-I)	Calibration and titration of strong acids v/s strong base
Conductivity meter	ELICO CM - 180	Pharmaceutical analysis (Sem-I)	Calibration and titration of 1. Strong acid v/s strong base 2. Mixture of strong acid 3. Weak acid v/s strong base

Microscope	Radical RM - 3	Pharmaceutical microbiology (Sem-III)	1. Monochrome staining 2. Gram staining 3. Acid fast staining 4. Motility test
Thermostatic oven	Pathak Electrical Works	Pharmaceutical microbiology (Sem-III)	Sterilization of laboratory glassware
Incubator	Pathak Electrical Works	Pharmaceutical microbiology (Sem-III)	Streaking, development of pure cultures
Colony counter	Lapiz ®	Pharmaceutical microbiology (Sem-III)	Enumeration of bacteria- viable count method
Colorimeter	Elico CL - 157	Pharmaceutical microbiology (Sem-III)	Turbidometric estimation of bacteria
Sonicator	Labline	Pharmaceutical microbiology (Sem-III)	
Rotary shaker	Remi equipments	Pharmaceutical microbiology (Sem-III)	Preparation of media
Electrical waterbath	Pathak Electrical Works	Pharmaceutical microbiology (Sem-III)	Preparation of media
Autoclave	META Labs	Pharmaceutical microbiology (Sem-III)	Sterilization of media and laboratory glasswares.
Antibiotic zone reader	Pathak Electrical Works	Pharmaceutical microbiology (Sem-III)	Determination of zone of inhibition by anti-biotic.
Orbital shaker		Pharmaceutical microbiology (Sem-III)	Preparation of media
Microscope	Radical RM – 2B and RM - 3	Herbal drug technology (Sem-IV)	1. Microscopic studies of powders 2. Quantitative microscopy
Thermostatic oven	Pathak Electrical Works	Herbal drug technology (Sem-IV)	Loss on drying
Camera Lucida	Radical	Pharmacognosy (Sem-IV)	1. Stomatal index 2. Quantitative microscopy
Double beam UV – Visible Spectrophotometer	Shimadzu UV 1800	Practice School (Sem-VII) Pharmaceutics	1. Determination of lambda max and preparation of calibration curve of drugs. 2. Evaluation of prepared formulation for drug release

Tablet Dissolution Test Apparatus	Veego	Practice School (Sem-VII) – Pharmaceutics Industrial Pharmacy-I (Semester V)	Evaluation of drug release from prepared formulation of tablets. Evaluation of Paracetamol Tablet I.P/ Aspirin Tablet I.P Evaluation of Marketed Paracetamol/ Aspirin Tablet
Cold centrifuge		M. Pharm. Projects	Research purpose
Tissue Homogenizer		Basic pharmacology research	Research purpose
Actophotometer	Bharat Chemicals	Pharmacology -I	Locomotor activity
Rotarod	Satish model	Pharmacology -I	Muscle relaxant activity
Eddy's hot plate	Bharat Chemicals	Pharmacology -II	Analgesic activity
Spirometer	Bharat Chemicals	HAP -II	Measurement of breathing
Pole climb apparatus	Bharat Chemicals	Pharmacology research	Cognition
Electro convulse meter	Bharat Chemicals	Pharmacology research	Epilepsy
Tablet disintegration apparatus	DBK	Industrial Pharmacy-I (Semester-V B. Pharm.)	Evaluation of Paracetamol/ Aspirin Tablet I.P Evaluation of Marketed Tablets
Tablet dissolution apparatus	DBK	Industrial Pharmacy-I (Semester-V B. Pharm.)	Preparation and drug release study of aspirin and paracetamol tablets.
Tap density apparatus	Thermonik Campbell Electronics TDA - 2	Physical Pharmaceutics-II (Semester-IV B. Pharm.)	To determine tapped density/ Bulk Density/ Compressibility of Powders
Tablet coating apparatus		Industrial Pharmacy-I Semester-V B. Pharm.)	Preparation and coating of granules and tablets of Paracetamol / Aspirin
Brookfield viscometer	Brookfield	Physical Pharmaceutics-II (Semester IV B. Pharm.)	Determination of Viscosity of different liquids using Brookfield Viscometer

3 COURSE OUTCOMES (COS) AND PROGRAM OUTCOMES (POS) (100)

Total Marks 100.00

3.1 Establish the correlation between the courses and the Program Outcomes (NBA defined Program Outcomes as mentioned in Annexure I) (20)

Total Marks 20.00

3.1.1 Course Outcomes (SAR should include course outcomes of one course from each semester of study, however, should be prepared for all courses) (5)

Institute Marks : 5.00

Note : Number of Outcomes for a Course is expected to be around 6.

Course Name :	C1 01	Course Year :	2015-2016
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Course Name	Statements
C1 01.1	At the end of the course the student should be able to: Classify various pharmaceutical dosage forms based on its route of administration

C1 01.2	Implement the professional way of handling the prescription.	//
C1 01.3	Discuss about pharmaceutical incompatibilities and pharmaceutical calculations.	//
C1 01.4	Analyse professional way of compounding and dispensing pharmaceutical dosage forms	//
C1 01.5	Discuss about the various branches of Pharmacy	//

Course Name :	C1 02	Course Year :	2015-2016
---------------	-------	---------------	-----------

Course Name	Statements	
C1 02.1	At the end of the course the student should be able to: Explain the concept, scope of community pharmacist and the role of pharmacist in patient counseling, compliance and maintaining medication records.	//
C1 02.2	Describe and classify hospitals as an organization, role and functions of hospital pharmacist and duties of hospital pharmacy.	//
C1 02.3	Describe various drug distribution systems and drug information services for improved patient care with the use of computers.	//
C1 02.4	Outline the various purchasing procedures and inventory control techniques in hospital pharmacies	//
C1 02.5	Describe the dispensing of drugs including controlled substances and medicinal gases, responding to minor ailments, patient counselling for improved patient care in community set up.	//
C1 02.6	Summarize the use sterilization and disposal of various surgical dressings, instruments and health accessories in hospitals	//

Course Name :	C2 01	Course Year :	2016-2017
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Course Name	Statements
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C2 01.2	Classify, identify, isolate and preserve various types of microbes like bacteria, viruses fungi etc.	//
C2 01.3	Explain various types of microscopy and its application in microbiology	//
C2 01.4	Describe principles, working and application of various sterilization techniques	//
C2 01.5	Describe fundamentals of microbial genetics, concept of mutation and anti-microbial drug resistance.	//
C2 01.6	Outline the pathogenesis and therapies of various infectious diseases	//
C2 01.1	At the end of the course the student should be able to: Summarize the history of microbiology and its significance in the pharmaceutical industry	//

Course Name :	C2 02	Course Year :	2016-2017
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Course Name	Statements	
C2 02.1	At the end of the course the student should be able to: Describe the structural organization and physiology of nervous tissue.	//
C2 02.2	Explain the structural organization and functions of various parts of the human brain.	//
C2 02.3	Explain the working pattern of spinal cord.	//
C2 02.4	Describe coordinated working pattern of special senses.	//
C2 02.5	Comprehend pathophysiology of diseases of Nervous system and special senses.	//

Course Name :	C3 01	Course Year :	2017-2018
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Course Name	Statements
C3 01.1	At the end of the course the student should be able to: Get acquainted with the role of crude drugs in national economy, its importance and status.
C3 01.2	Recognise the principles of different traditional systems of medicine
C3 01.3	Describe different classes of secondary metabolites
C3 01.4	Learn and apply conventional and modern extraction techniques used for crude drugs extraction
C3 01.5	Practice different evaluation methods of crude drugs

Course Name :	C3 02	Course Year :	2017-2018
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Course Name	Statements
C3 02.1	At the end of the course the student should be able to: Describe the concepts of bioassay.
C3 02.2	Classify and explain mechanism of action, pharmacological actions and adverse reactions of drugs acting on central nervous system.
C3 02.3	Explain mechanism of action and pharmacological actions of autacoids.
C3 02.4	Comprehend the principles of toxicology and treatment of various poisonings
C3 02.5	Describe the behavioural, psychological, physical health and social effects of psychoactive substances on the persons.

Course Name :	C4 01	Course Year :	2018-2019
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Course Name	Statements
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C4 01.1	At the end of the course the student should be able to: Explain the fundamental knowledge of the principle and theories of various spectroscopic techniques like UV, IR, NMR, MASS, AES, AAS.	//
C4 01.2	Describe the concept, instrumentation and operations of spectroscopic tools	//
C4 01.3	Distinguish the specialities and applications of various spectroscopic methods	//
C4 01.4	Measure and estimate the pharmaceutical compounds using spectroscopic data	//
C4 01.5	Summarize, interpret and predict the structure of pharmaceutical compounds using spectroscopic data	//

Course Name :	C4 02	Course Year :	2018-2019
---------------	-------	---------------	-----------

Course Name	Statements	
C4 02.1	At the end of the course the student should be able to: Design dosage forms based on the concept of pharmacokinetics and pharmacodynamics.	//
C4 02.2	Comprehend the concept of distribution, biotransformation and elimination in the body	//
C4 02.3	Integrate the concept of enzymes in the clinical application of drug.	//
C4 02.4	Design the dosage forms based on the concept of bioavailability and bioequivalence.	//
C4 02.5	Integrate the concept of IVIVC and explain its significance	//
C4 02.6	Plan, design and incorporate the in-vitro dissolution studies for various drugs as per the standards of official monographs to formulate various dosage forms	//

1 . course name : C101

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C101.1	3 ▾	2 ▾	1 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	2 ▾
C101.2	2 ▾	2 ▾	- ▾	- ▾	- ▾	1 ▾	- ▾	- ▾	1 ▾	- ▾	1 ▾
C101.3	2 ▾	- ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾
C101.4	3 ▾	2 ▾	2 ▾	1 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾
C101.5	3 ▾	- ▾	- ▾	- ▾	- ▾	1 ▾	- ▾	- ▾	1 ▾	- ▾	1 ▾
Average	3.00	2.00	2.00	1.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00

2 . course name : C102

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C102.1	2 ▾	- ▾	- ▾	2 ▾	- ▾	3 ▾	2 ▾	- ▾	3 ▾	- ▾	1 ▾
C102.2	3 ▾	2 ▾	- ▾	2 ▾	- ▾	2 ▾	- ▾	- ▾	2 ▾	- ▾	- ▾
C102.3	2 ▾	- ▾	- ▾	2 ▾	- ▾	2 ▾	- ▾	- ▾	3 ▾	- ▾	- ▾
C102.4	2 ▾	2 ▾	- ▾	2 ▾	- ▾	2 ▾	- ▾	2 ▾	- ▾	- ▾	1 ▾
C102.5	3 ▾	- ▾	- ▾	- ▾	- ▾	3 ▾	2 ▾	2 ▾	3 ▾	- ▾	1 ▾
C102.6	2 ▾	- ▾	- ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾
Average	2.00	2.00	0.00	2.00	0.00	2.00	2.00	2.00	3.00	0.00	1.00

3 . course name : C201

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C201.2	3 ▾	- ▾	- ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾	- ▾
C201.3	3 ▾	- ▾	- ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾
C201.4	3 ▾	- ▾	- ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾
C201.5	3 ▾	- ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	2 ▾	- ▾	- ▾
C201.6	3 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	3 ▾	2 ▾	- ▾
C201.1	3 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	2 ▾	2 ▾	- ▾
Average	3.00	0.00	2.00	2.00	0.00	0.00	0.00	0.00	2.00	2.00	1.00

4 . course name : C202

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
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C202.1	2	▼	-	▼	-	▼	-	▼	-	▼	-	▼	1	▼	-	▼	1	▼
C202.2	2	▼	-	▼	-	▼	-	▼	-	▼	-	▼	1	▼	-	▼	1	▼
C202.3	2	▼	-	▼	-	▼	-	▼	-	▼	-	▼	1	▼	-	▼	1	▼
C202.4	2	▼	-	▼	-	▼	-	▼	-	▼	-	▼	1	▼	-	▼	1	▼
C202.5	2	▼	-	▼	-	▼	-	▼	-	▼	-	▼	1	▼	-	▼	1	▼
Average	2.00		0.00		0.00		0.00		0.00		0.00		1.00		0.00		1.00	

5 . course name : C301

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C301.1	2	-	-	-	-	2	-	-	-	-	2
C301.2	2	-	-	-	-	2	-	-	-	-	2
C301.3	2	-	-	-	-	-	-	-	2	-	2
C301.4	2	2	2	2	-	-	-	-	-	-	-
C301.5	2	2	2	2	-	-	-	-	-	-	-
Average	2.00	2.00	2.00	2.00	0.00	2.00	0.00	0.00	2.00	0.00	2.00

6 . course name : C302

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C302.1	2 ▾	- ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾
C302.2	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾	- ▾	1 ▾
C302.3	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾	- ▾	1 ▾
C302.4	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾	- ▾	1 ▾
C302.5	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾	- ▾	1 ▾
Average	2.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00

7 . course name : C401

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C401.1	3 ▼	- ▼	- ▼	1 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	2 ▼
C401.2	3 ▼	- ▼	- ▼	2 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	2 ▼
C401.3	3 ▼	- ▼	2 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	2 ▼
C401.4	3 ▼	- ▼	2 ▼	2 ▼	- ▼	- ▼	- ▼	- ▼	- ▼	- ▼	2 ▼

C401.5	3 ▾	- ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	2 ▾
Average	3.00	0.00	2.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00

8 . course name : C402

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C402.1	3 ▾	3 ▾	3 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾
C402.2	3 ▾	2 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾
C402.3	2 ▾	- ▾	3 ▾	1 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾
C402.4	2 ▾	3 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾
C402.5	3 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾
C402.6	2 ▾	3 ▾	3 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾
Average	3.00	3.00	3.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00

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

Institute Marks : 10.00

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
1.1.1 T	3	2	2	1	0	1	0	0	1	0	1
1.1.2 T	3	0	2	0	0	0	0	0	0	0	2
1.1.3 T	2	0	2	0	0	0	0	0	0	0	2
1.1.4 T	1	0	0	0	0	0	0	1	0	0	1
1.1.5 T	1	0	0	0	0	0	0	1	1	1	1
1.1.1 P	3	3	3	1	0	0	0	1	0	0	1
1.1.2 P	3	2	2	2	0	0	0	1	0	0	0
1.1.3 P	1	2	1	2	0	0	0	1	0	0	1
1.1.4 P	1	1	1	0	0	0	0	1	1	0	1
1.1.6 BT	2	0	0	0	0	0	0	0	0	0	2
1.1.6 MT	0	1	1	0	0	0	0	0	0	0	2
1.1.6 BP	1	1	0	2	0	0	0	1	0	0	2
1.2.1 P	3	1	0	2	0	0	0	1	1	0	1
1.2.2 P	3	2	0	2	0	2	0	1	1	0	1
1.2.3 P	2	1	0	0	0	0	0	1	0	0	1

1.2.4 P	1	2	2	0	0	0	0	1	0	0	1
1.2.6 P	1	1	1	1	0	1	0	1	1	0	1
1.2.1 T	3	2	2	1	0	2	0	0	1	1	1
1.2.2 T	2	2	0	2	0	2	2	2	3	0	1
1.2.3 T	2	0	0	0	0	0	0	0	0	0	1
1.2.4 T	2	2	2	1	0	0	0	0	2	0	2
1.2.5 T	1	0	1	0	0	0	0	0	1	0	1
1.2.6 T	1	1	0	0	0	1	0	1	1	1	1
1.3.1 T	3	2	2	2	0	0	0	0	0	0	1
1.3.2 T	2	2	2	2	0	0	0	0	0	0	2
1.3.3 T	3	0	2	2	0	0	0	0	2	2	1
1.3.4 T	3	0	2	0	0	0	0	0	0	0	2
1.3.5 T	1	0	0	0	0	0	0	0	1	0	1
1.3.6 T	2	0	2	2	0	0	0	0	0	0	2
1.3.7 T	0	2	2	0	0	0	0	0	1	1	2
1.3.1 P	3	2	1	1	0	0	0	1	0	0	0
1.3.2 P	2	3	3	2	0	0	0	1	0	0	1
1.3.3 P	3	2	0	2	0	0	0	1	2	1	1
1.3.4 P	3	2	0	2	0	0	0	1	0	0	2
1.3.5 P	1	1	1	0	0	0	0	1	0	0	1
1.3.6 P	3	2	2	2	0	0	0	1	0	0	2
1.4.1 P	3	2	0	2	0	0	0	1	0	0	0
1.4.2 P	2	3	3	2	0	0	0	1	0	0	1
1.4.3 P	2	2	1	0	0	0	0	1	0	0	2
1.4.5 P	1	1	1	0	0	0	0	1	1	0	1
1.4.6 P	0	1	1	2	0	0	0	1	0	0	2
1.4.1 T	3	1	1	2	0	0	0	0	1	0	0
1.4.2 T	2	2	2	2	0	0	0	0	0	0	2
1.4.3 T	2	1	1	1	0	0	0	0	0	1	3
1.4.4 T	2	0	0	0	0	0	0	0	1	0	1
1.4.5 T	1	0	0	0	0	0	0	0	1	0	1

1.4.6 T	1	1	1	1	0	0	0	1	0	0	2
1.4.7 T	1	2	2	1	2	1	1	2	0	1	1
1.5.1 T	3	2	2	0	0	0	2	0	0	0	2
1.5.2 T	2	2	2	2	2	0	0	0	1	1	3
1.5.3 T	2	0	1	1	0	0	0	0	2	0	1
1.5.4 T	2	0	1	0	0	0	0	0	0	0	2
1.5.5 T	1	0	0	0	0	0	0	0	1	0	1
1.5.6 T	2	2	2	2	0	2	0	0	2	0	2
1.5.7 T	3	0	1	2	0	0	0	0	0	2	2
1.5.3 P	2	1	1	1	0	0	0	1	2	0	1
1.5.4 P	3	2	0	0	0	0	0	1	0	2	2
1.5.5 P	1	1	1	0	0	0	0	1	1	0	1
1.5.6 P	0	2	2	2	0	0	0	1	0	0	1
1.5.7 P	3	2	2	3	0	0	0	1	0	0	2
1.6.1 P	3	3	3	2	0	0	0	1	0	0	0
1.6.3 P	3	0	0	3	0	0	3	1	0	2	2
1.6.4 P	3	3	3	2	2	0	0	1	0	0	0
1.6.5 P	1	1	2	1	0	0	0	1	1	0	1
1.6.6 P	3	2	2	0	0	0	0	1	0	2	2
1.6.1 T	3	3	3	2	0	2	2	0	2	3	0
1.6.2 T	2	2	3	2	2	0	1	0	0	1	0
1.6.3 T	2	0	0	2	0	0	0	0	0	0	3
1.6.4 T	3	0	2	0	0	0	0	0	2	0	3
1.6.5 T	2	0	2	0	0	0	0	0	1	0	1
1.6.6 T	3	0	0	0	0	2	0	0	0	2	2
1.6.7 T	3	3	3	0	1	3	3	3	3	0	1
1.7.1 T	3	2	2	1	0	0	0	0	1	0	1
1.7.2 T	3	3	2	1	0	0	0	0	0	0	1
1.7.3 T	1	3	2	1	0	2	3	0	0	0	1
1.7.4 T	2	0	1	0	0	0	0	0	0	0	2
1.7.5 T	1	0	0	0	0	0	0	0	1	0	1

1.7.6 T	3	2	2	2	0	0	0	0	0	0	2
1.7.7 T	3	0	2	2	0	0	0	0	0	0	2
1.7.1 P	3	3	3	1	0	0	0	1	0	0	1
1.7.3 P	1	3	2	0	0	2	0	1	0	0	0
1.7.4 P	3	2	2	2	0	0	0	1	0	2	2
1.7.6 P	3	2	2	2	0	0	0	1	0	0	2
1.7.7 P	3	2	2	2	0	0	0	1	0	0	2
1.8.1 P	3	3	3	1	0	0	0	1	0	0	0
1.8.2 P	2	3	2	0	0	0	0	1	0	0	1
1.8.3 P	2	2	1	3	0	0	0	1	0	0	1
1.8.4 P	2	2	2	0	0	0	0	1	2	0	1
1.8.5 P	3	0	0	0	0	2	0	2	2	0	2
1.8.6 P	3	2	2	2	0	0	0	1	0	0	0
1.8.1 T	3	2	2	2	2	0	0	1	0	0	1
1.8.2 T	3	3	3	2	0	0	0	0	0	0	1
1.8.3 T	2	2	2	2	0	1	0	0	0	0	2
1.8.4 T	2	2	0	2	0	0	2	2	0	2	2
1.8.5 T	3	0	0	0	0	2	0	2	3	0	3
1.8.6 T	3	2	3	3	1	2	2	0	0	0	2

3.2 Attainment of Course Outcomes (40)

Total Marks 40.00

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

Institute Marks : 10.00

According to prescribed pattern of the University, the evaluation of students for each semester of B. Pharm. program is based on the University examination (regular and/or repeat) held at the end of each semester and one internal test is conducted during the semester.

Duration of the University examination, for each course for theory subject is 02 hours and 04 hours for practical examination. Duration of the internal assessment for each course is of 1 hour for theory and 03 hours for practical. The assessment process is divided into two parts:

- Internal Assessment
- End Semester Examination (University Assessment)

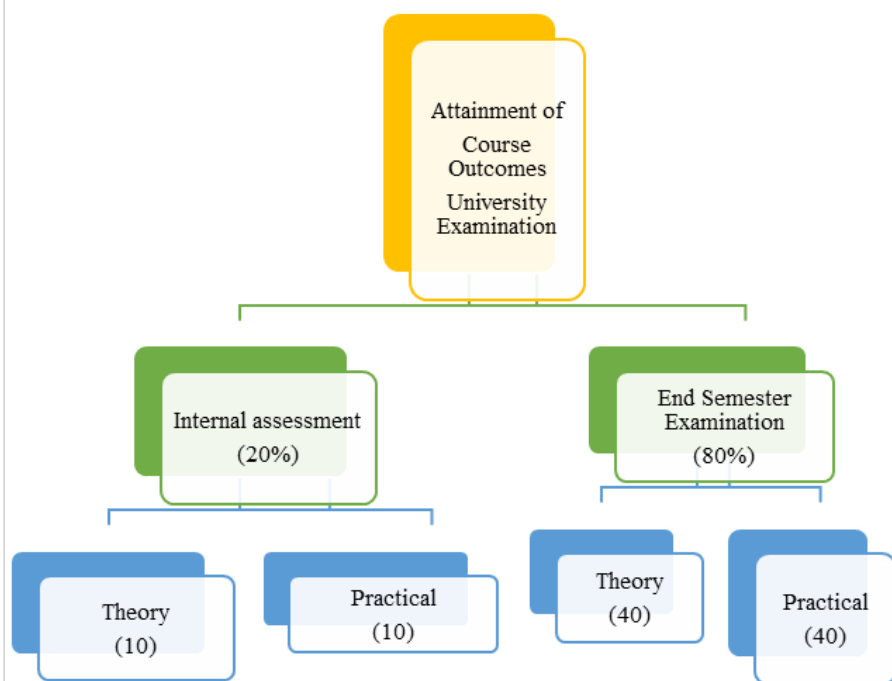
Each paper is of 50 marks, out of which 10 marks in each paper are assigned to internal assessment/ internal tests and 40 marks are assigned to end semester examination conducted by the University at the end of the semester for each course as theory subject and practicals separately.

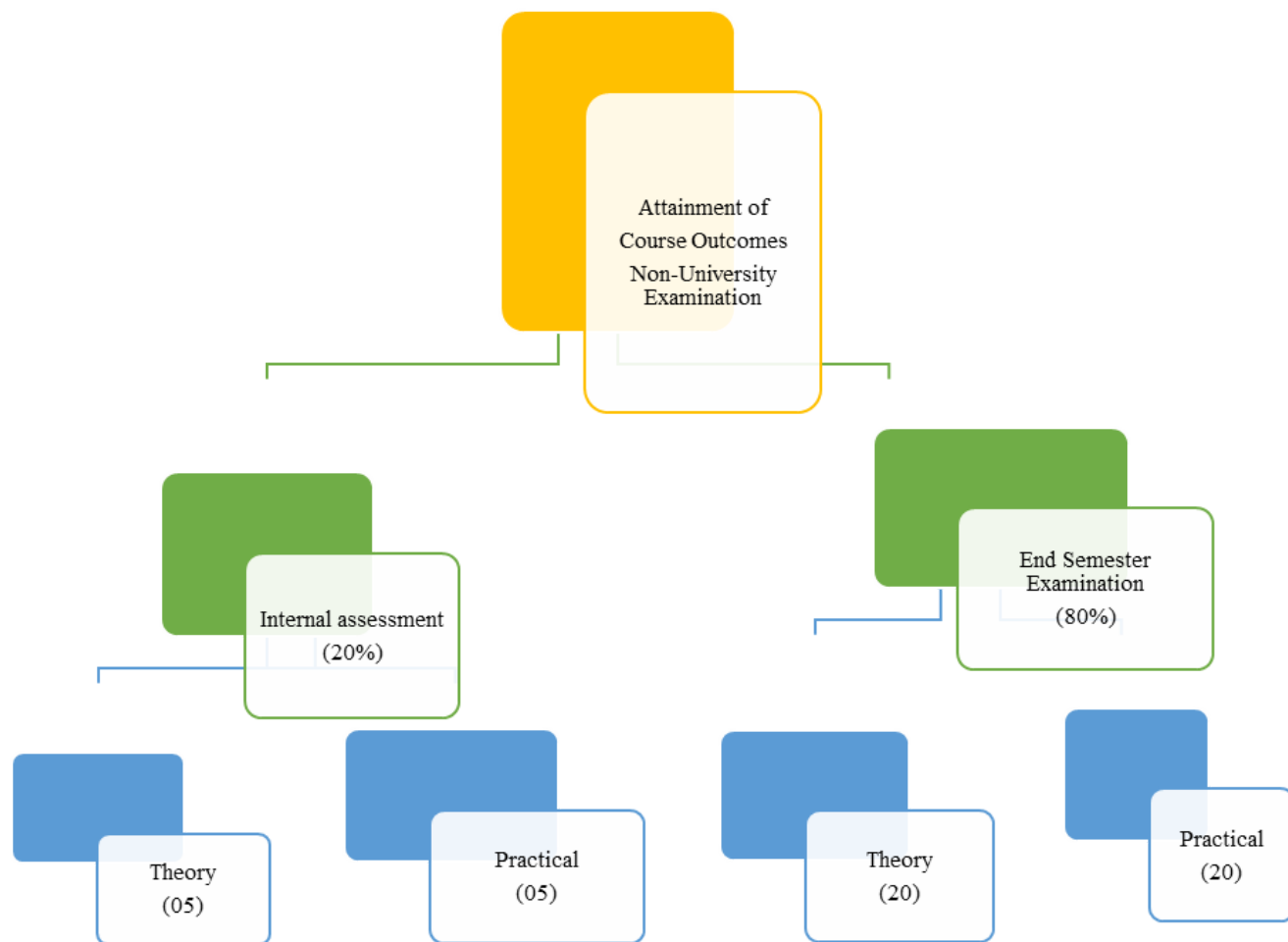
Adhering to the University norms, 20% weightage is given to the Internal Assessment and 80% weightage is given to the University End Semester Assessment for calculations of attainment of course outcomes.

Internal Assessment: The course outcomes are calculated based on the performance of students in the internal examination.

One internal examination is conducted per semester as per the University norms. Internal examination pattern is designed to examine the students for all course outcomes of that course. This includes internal test papers, practical synopsis, viva-voce, laboratory assessment and practical record books. This contributes 20% in the assessment of attainment level for measuring course outcomes. The question papers of the internal examinations are set by taking into account various levels of learning.

End Semester Examination: It is also a tool for assessment of course outcomes. This examination is conducted by the University at the end of each semester. It consists of descriptive type questions inclusive of long essays, short essays and short answers. This contributes 80% in the assessment of attainment level for measuring course outcomes.





Schematic representation of Attainment of Course Outcomes

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

Institute Marks : 30.00

1. As passing marks for the the University examination are 50 % of allotted marks in each course, we have set a target i.e. 55%, [higher than passing percentage (50%) as the target attainment level for all courses spread over 8 semesters].
2. Calculation of attainment level for set target is done as follows-

If 60% of students have obtained marks above target then the attainment level is considered as **low** level i.e. **1**.

If 70% of students have obtained marks above target then the attainment level is considered as **medium** level i.e. **2**.

If 80% or more than 80% of students have obtained marks above target then the attainment level is considered as **high** level i.e. **3**.

The weightages of internal examination marks and end semester examination marks were decided by taking into consideration Goa university curriculum and guidelines by organizational bodies, and it was decided to calculate the CO attainments as 80% weightage to the End Semester Examination (University) and 20% weightage to the Internal Examination.

for example, For Course 'A' if attainment level is 3 in both ESE and IA, final attainment level will be -

$80\% \text{ of } 3 \text{ (ESE)} + 20\% \text{ of } 3 \text{ (IA)} = 2.4 + 0.6 = 3$ (Final attainment level for Course 'A')

ESE: End Semester Examination

IA: Internal Assessment

Attainment of Course Outcomes B. Pharm batch 2017-2021 [SEM I-VIII]

Course outcome attainment level (2017-2021)								
Course Name	Course Code	Set Attainment Level (Marks %)	Target Attainment level (TAL)			Achieved Attainment Level (AAL)		
			IA	ESE	Final (TAL)	IA	ESE	Final (AAL)
1.1.1 T Pharmaceutics-I (Dispensing & General Pharmacy)	1.1.1 T	55	3	1.2	1.56	1	0	0.2
1.1.2 T Pharmaceutical Organic Chemistry-I	1.1.2 T	55	3	1.2	1.56	0	0	0
1.1.3 T Pharmaceutical Inorganic Chemistry	1.1.3 T	55	3	1.2	1.56	2	0	0
1.1.4 T Anatomy, Physiology & Pathophysiology-I	1.1.4 T	55	3	1.2	1.56	0	0	0.4
1.1.5 T Health Education & Environmental Studies	1.1.5 T	55	3	1.2	1.56	1	3	2.6
1.1.6 T Remedial Biology	1.1.6 BT	55	3	1.2	1.56	3	3	3

1.1.6 T Remedial Mathematics	1.1.6 MT	55	3	1.2	1.56	0	0	0
1.2.1 T Pharmaceutics-II	1.2.1 T	55	3	1.2	1.56	1	0	0.2
1.2.2 T Community & Hospital Pharmacy	1.2.2 T	55	3	1.2	1.56	0	1	0.8
1.2.3 T Pharmaceutical Organic Chemistry-II	1.2.3 T	55	3	1.2	1.56	1	0	0.2
1.2.4 T Biochemistry – I	1.2.4 T	55	3	1.2	1.56	1	0	0.2
1.2.5 T Anatomy, Physiology & Pathophysiology-II	1.2.5 T	55	3	1.2	1.56	0	0	0
1.2.6 T Pharmacognosy- I	1.2.6 T	55	3	1.2	1.56	2	1	1.2
1.3.1 T Pharmaceutics –III	1.3.1 T	55	3	1.2	1.56	0	0	0
1.3.2 T Physical Pharmaceutics-I	1.3.2 T	55	3	1.2	1.56	0	1	0.8
1.3.3 T Pharmaceutical Microbiology	1.3.3 T	55	3	1.2	1.56	2	0	0.4
1.3.4 T Pharmaceutical Organic Chemistry-III	1.3.4 T	55	3	1.2	1.56	3	0	0.6

1.3.5 T Anatomy, Physiology & Pathophysiology-III	1.3.5 T	55	3	1.2	1.56	0	0	0
1.3.6 T Pharmaceutical Analysis - I	1.3.6 T	55	3	1.2	1.56	3	1	1.4
1.3.7 T Biostatistics	1.3.7 T	55	3	1.2	1.56	3	0	0.6
1.4.1 T Pharmaceutics - IV	1.4.1 T	55	3	1.2	1.56	1	0	0.2
1.4.2 T Physical Pharmaceutics- II	1.4.2 T	55	3	1.2	1.56	0	0	0
1.4.3 T Pharmaceutical Organic Chemistry	1.4.3 T	55	3	1.2	1.56	2	0	0.4
1.4.4 T Anatomy, Physiology Pathophysiology-IV	1.4.4 T	55	3	1.2	1.56	3	0	0.6
1.4.5 T Pharmacology-I	1.4.5 T	55	3	1.2	1.56	0	0	0
1.4.6 T Computer Applications	1.4.6 T	55	3	1.2	1.56	3	1	1.4
1.4.7 T Pharmaceutical Marketing & Management	1.4.7 T	55	3	1.2	1.56	3	3	3
1.5.1 T Pharmaceutics - V	1.5.1 T	55	3	1.2	1.56	2	1	1.2
1.5.2 T Pharmaceutical Engineering-I	1.5.2 T	55	3	1.2	1.56	3	0	0.6
1.5.3 T Biochemistry – II	1.5.3 T	55	3	1.2	1.56	1	0	0.2

1.5.4 T Medicinal Chemistry-I	1.5.4 T	55	3	1.2	1.56	3	0	0.6
1.5.5 T Pharmacology-II	1.5.5 T	55	3	1.2	1.56	1	0	0.2
1.5.6 T Pharmacognosy –II	1.5.6 T	55	3	1.2	1.56	3	1	1.4
1.5.7 T Pharmaceutical Analysis – II	1.5.7 T	55	3	1.2	1.56	2	3	0.2
1.6.1 T Cosmeticology – I	1.6.1 T	55	3	1.2	1.56	3	3	3
1.6.2 T Pharmaceutical Engineering-II	1.6.2 T	55	3	1.2	1.56	3	3	3
1.6.3 T Biotechnology	1.6.3 T	55	3	1.2	1.56	3	3	3
1.6.4 T Medicinal Chemistry-II	1.6.4 T	55	3	1.2	1.56	3	3	3
1.6.5 T Pharmacology-III	1.6.5 T	55	3	1.2	1.56	3	3	3
1.6.6 T Pharmacognosy –III	1.6.6 T	55	3	1.2	1.56	3	3	3
1.6.7 T Pharmaceutical Jurisprudence	1.6.7 T	55	3	1.2	1.56	3	3	3
1.7.1 T Pharmaceutics-VI	1.7.1 T	55	3	1.2	1.56	3	0	0.6

1.7.2 T Biopharmaceutics & Pharmacokinetics -I	1.7.2 T	55	3	1.2	1.56	3	0	0.6
1.7.3 T Cosmeticology - II	1.7.3 T	55	3	1.2	1.56	3	2	2.2
1.7.4 T Medicinal Chemistry-III	1.7.4 T	55	3	1.2	1.56	3	0	0.6
1.7.5 T Pharmacology –IV	1.7.5 T	55	3	1.2	1.56	3	1	1.4
1.7.6 T Pharmacognosy – IV	1.7.6 T	55	3	1.2	1.56	3	0	0.6
1.7.7 T Pharmaceutical Analysis - III	1.7.7 T	55	3	1.2	1.56	3	0	0.6
1.8.1 T Pharmaceutics - VII	1.8.1 T	55	3	1.2	1.56	3	3	3
1.8.2 T Biopharmaceutics & Pharmacokinetics - II	1.8.2 T	55	3	1.2	1.56	3	3	3
1.8.3 T Medicinal Chemistry-IV	1.8.3 T	55	3	1.2	1.56	3	3	3
1.8.4 T Pharmacognosy- V	1.8.4 T	55	3	1.2	1.56	3	3	3
1.8.5 T Clinical Pharmacology	1.8.5 T	55	3	1.2	1.56	3	3	3

1.8.6 T Pharmaceutical Analysis - IV	1.8.6 T	55	3	1.2	1.56	3	3	3
1.1.1 P Pharmaceutics-I (Dispensing & General Pharmacy)	1.1.1 P	55	3	1.2	1.56	3	1	1.4
1.1.2 P Pharmaceutical Organic Chemistry-I	1.1.2 P	55	3	1.2	1.56	3	3	3
1.1.3 P Pharmaceutical Inorganic Chemistry	1.1.3 P	55	3	1.2	1.56	3	3	3
1.1.4 P Anatomy, Physiology & Pathophysiology-I	1.1.4 P	55	3	1.2	1.56	0	3	2.4
1.1.6 P Remedial Biology	1.1.6 BP	55	3	1.2	1.56	0	0	0
1.2.1 P Pharmaceutics-II	1.2.1 P	55	3	1.2	1.56	1	2	1.8
1.2.2 P Community & Hospital Pharmacy	1.2.2 P	55	3	1.2	1.56	2	0	0.4
1.2.3 P Pharmaceutical Organic Chemistry-II	1.2.3 P	55	3	1.2	1.56	3	2	2.2
1.2.4 P Biochemistry – I	1.2.4 P	55	3	1.2	1.56	3	2	0.2
1.2.6 P Pharmacognosy -I	1.2.6 P	55	3	1.2	1.56	3	3	3

1.3.1 P Pharmaceutics –III	1.3.1 P	55	3	1.2	1.56	1	3	2.6
1.3.2 P Physical Pharmaceutics-I	1.3.2 P	55	3	1.2	1.56	0	3	2.4
1.3.3 P Pharmaceutical Microbiology	1.3.3 P	55	3	1.2	1.56	3	0	0.6
1.3.4 P Pharmaceutical Organic Chemistry-III	1.3.4 P	55	3	1.2	1.56	3	3	3
1.3.5 P Anatomy, Physiology & Pathophysiology-III	1.3.5 P	55	3	1.2	1.56	3	2	2.2
1.3.6 P Pharmaceutical Analysis - I	1.3.6 P	55	3	1.2	1.56	3	3	3
1.4.1 P Pharmaceutics - IV	1.4.1 P	55	3	1.2	1.56	3	3	3
1.4.2 P Physical Pharmaceutics	1.4.2 P	55	3	1.2	1.56	3	3	3
1.4.3 P Pharmaceutical Organic Chemistry	1.4.3 P	55	3	1.2	1.56	3	3	3
1.4.5 P Pharmacology	1.4.5 P	55	3	1.2	1.56	3	0	0.6
1.4.6 P Computer Applications	1.4.6 P	55	3	1.2	1.56	3	0	0.6
1.5.3 P Biochemistry – II	1.5.3 P	55	3	1.2	1.56	3	3	3
1.5.4 P Medicinal Chemistry-I	1.5.4 P	55	3	1.2	1.56	3	3	3

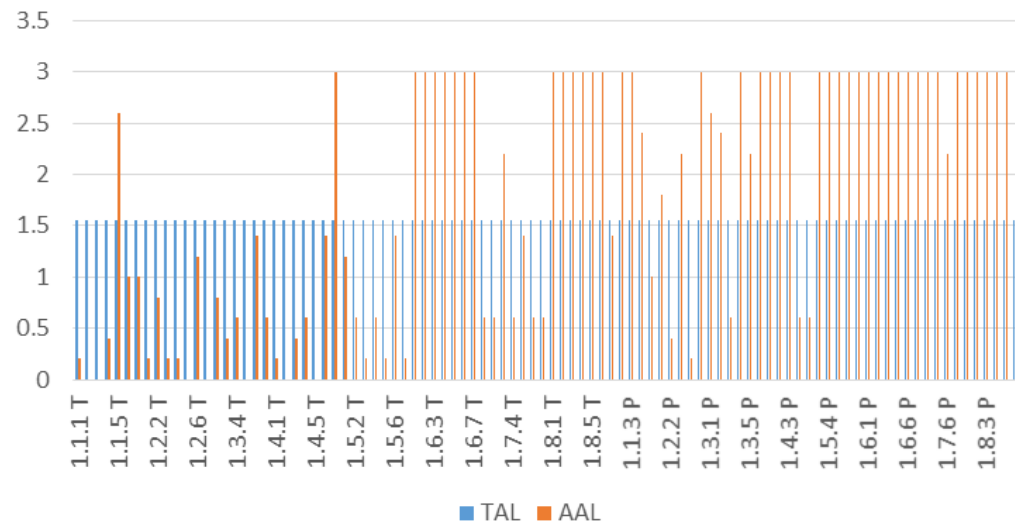
1.5.5 P Pharmacology-II	1.5.5 P	55	3	1.2	1.56	3	3	3
1.5.6 P Pharmacognosy –II	1.5.6 P	55	3	1.2	1.56	3	3	3
1.5.7 P Pharmaceutical Analysis – II	1.5.7 P	55	3	1.2	1.56	3	3	3
1.6.1 P Cosmeticology – I	1.6.1 P	55	3	1.2	1.56	3	3	3
1.6.3 P Biotechnology	1.6.3 P	55	3	1.2	1.56	3	3	3
1.6.4 P Medicinal Chemistry-II	1.6.4 P	55	3	1.2	1.56	3	3	3
1.6.5 P Pharmacology-III	1.6.5 P	55	3	1.2	1.56	3	3	3
1.6.6 P Pharmacognosy –III	1.6.6 P	55	3	1.2	1.56	3	3	3
1.7.1 P Pharmaceutics-VI	1.7.1 P	55	3	1.2	1.56	3	3	3
1.7.3 P Cosmeticology - II	1.7.3 P	55	3	1.2	1.56	3	3	3
1.7.4 P Medicinal Chemistry-III	1.7.4 P	55	3	1.2	1.56	3	3	3
1.7.6 P Pharmacognosy – IV	1.7.6 P	55	3	1.2	1.56	3	2	2.2

1.7.7 P Pharmaceutical Analysis - III	1.7.7 T	55	3	1.2	1.56	3	3	3
1.8.1 P Pharmaceutics - VII	1.8.1 P	55	3	1.2	1.56	3	3	3
1.8.2 P Biopharmaceutics & Pharmacokinetics - II	1.8.2 P	55	3	1.2	1.56	3	3	3
1.8.3 P Medicinal Chemistry-IV	1.8.3 P	55	3	1.2	1.56	3	3	3
1.8.4 P Pharmacognosy- V	1.8.4 P	55	3	1.2	1.56	3	3	3
1.8.5 P Clinical Pharmacology	1.8.5 P	55	3	1.2	1.56	3	3	3
1.8.6 P Pharmaceutical Analysis - IV	1.8.6 P	55	3	1.2	1.56	3	3	3

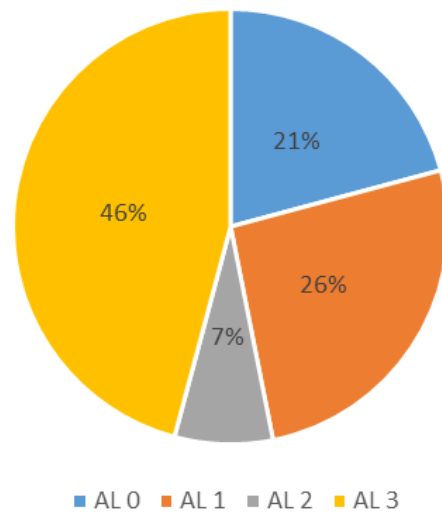
Looking at the course outcomes data from the above table, it is seen that in four years of B. Pharm. program with 96 courses, students of B. Pharm. batch of 2017-2021 attended set target of 55%,

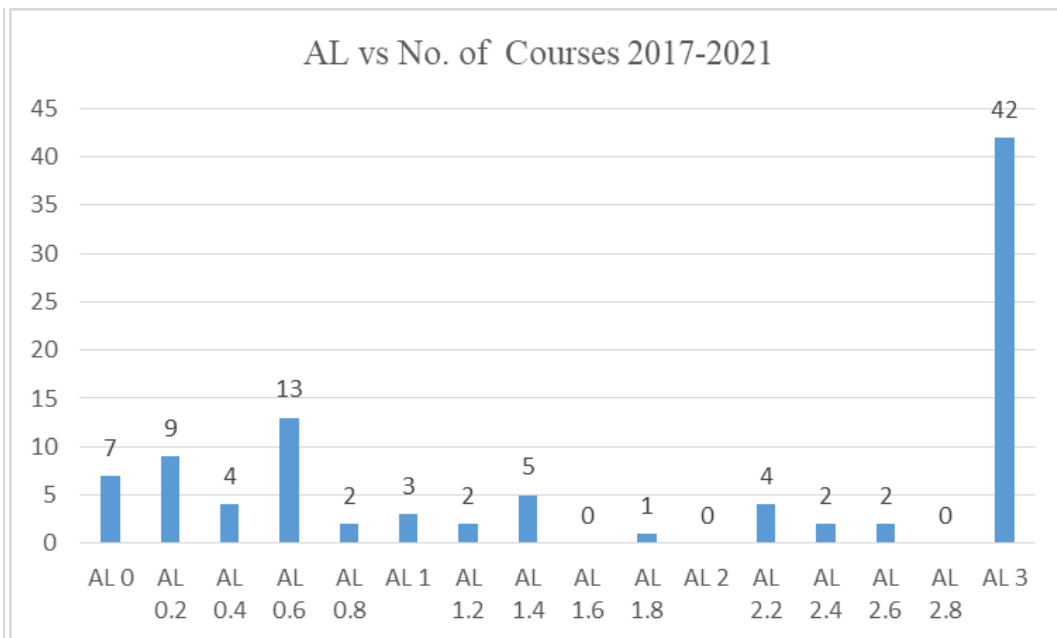
- With Attainment Level of 0 in 21% of the subjects (less than 60% students got 55% of marks),
- Attainment Level of 1 was attained in 26% of the subjects (more than 60% but less than 70% students got 55% of marks),
- Attainment level of 2 was attained in 7% of the subjects (more than 70% but less than 80% students got 55% of marks) and
- Attainment level 3 was attained 46 % subjects (80% and more than 80% students got 55% marks).

CO ATTAINMENT LEVEL 2017-2021



AL % of Courses 2017-2021





Similarly Course outcomes attainment level is calculated for previous B. Pharm. 2016 - 2020 (LYG-1) and 2015 - 2019 (LYG-2) batches and results are depicted as below:

Attainment of Course Outcomes B. Pharm batch 2016-2020 [SEM I-VIII]

Course Outcomes attainment level (2016-2020)								
Course Name	Course Code	Set Attainment Level (Marks %)	Target Attainment level (TAL)			Achieved Attainment Level (AAL)		
			IA	ESE	Final (TAL)	IA	ESE	Final (AAL)
1.1.1 T Pharmaceutics-I (Dispensing & General Pharmacy)	1.1.1 T	55	3	1	1.4	2	0	0.4
1.1.2 T Pharmaceutical Organic Chemistry-I	1.1.2 T	55	3	1	1.4	2	0	0.4
1.1.3 T Pharmaceutical Inorganic Chemistry	1.1.3 T	55	3	1	1.4	1	2	1.8

1.1.4 T Anatomy, Physiology & Pathophysiology-I	1.1.4 T	55	3	1	1.4	1	1	1
1.1.5 T Health Education & Environmental Studies	1.1.5 T	55	3	1	1.4	1	3	2.6
1.1.6 T Remedial Biology	1.1.6 BT	55	3	1	1.4	3	3	3
1.1.6 T Remedial Mathematics	1.1.6 MT	55	3	1	1.4	3	0	0.6
1.2.1 T Pharmaceutics-II	1.2.1 T	55	3	1	1.4	0	0	0
1.2.2 T Community & Hospital Pharmacy	1.2.2 T	55	3	1	1.4	1	0	0.2
1.2.3 T Pharmaceutical Organic Chemistry-II	1.2.3 T	55	3	1	1.4	2	0	0.4
1.2.4 T Biochemistry – I	1.2.4 T	55	3	1	1.4	0	0	0
1.2.5 T Anatomy, Physiology & Pathophysiology-II	1.2.5 T	55	3	1	1.4	1	2	1.8
1.2.6 T Pharmacognosy- I	1.2.6 T	55	3	1	1.4	3	0	0.6
1.3.1 T Pharmaceutics –III	1.3.1 T	55	3	1	1.4	2	2	2

1.3.2 T Physical Pharmaceutics-I	1.3.2 T	55	3	1	1.4	2	2	2
1.3.3 T Pharmaceutical Microbiology	1.3.3 T	55	3	1	1.4	1	0	0.2
1.3.4 T Pharmaceutical Organic Chemistry-III	1.3.4 T	55	3	1	1.4	3	0	0.6
1.3.5 T Anatomy, Physiology & Pathophysiology-III	1.3.5 T	55	3	1	1.4	1	0	0.2
1.3.6 T Pharmaceutical Analysis - I	1.3.6 T	55	3	1	1.4	0	1	0.8
1.3.7 T Biostatistics	1.3.7 T	55	3	1	1.4	0	0	0
1.4.1 T Pharmaceutics - IV	1.4.1 T	55	3	1	1.4	1	2	1.8
1.4.2 T Physical Pharmaceutics	1.4.2 T	55	3	1	1.4	1	1	1
1.4.3 T Pharmaceutical Organic Chemistry	1.4.3 T	55	3	1	1.4	3	0	0.6
1.4.4 T Anatomy, Physiology Pathophysiology	1.4.4 T	55	3	1	1.4	2	1	1.2
1.4.5 T Pharmacology-I	1.4.5 T	55	3	1	1.4	1	2	1.8
1.4.6 T Computer Applications	1.4.6 T	55	3	1	1.4	2	2	2

1.4.7 T Pharmaceutical Marketing & Management	1.4.7 T	55	3	1	1.4	3	2	2.2
1.5.1 T Pharmaceutics - V (Quality Assurance & Regulatory Affairs)	1.5.1 T	55	3	1	1.4	2	2	2
1.5.2 T Pharmaceutical Engineering-I	1.5.2 T	55	3	1	1.4	3	0	0.6
1.5.3 T Biochemistry – II	1.5.3 T	55	3	1	1.4	0	1	0.8
1.5.4 T Medicinal Chemistry-I	1.5.4 T	55	3	1	1.4	0	1	0.8
1.5.5 T Pharmacology-II	1.5.5 T	55	3	1	1.4	2	0	0.4
1.5.6 T Pharmacognosy –II	1.5.6 T	55	3	1	1.4	0	3	2.4
1.5.7 T Pharmaceutical Analysis – II	1.5.7 T	55	3	1	1.4	3	0	0.6
1.6.1 T Cosmeticology – I	1.6.1 T	55	3	1	1.4	3	3	3
1.6.2 T Pharmaceutical Engineering-II	1.6.2 T	55	3	1	1.4	2	0	0.6
1.6.3 T Biotechnology	1.6.3 T	55	3	1	1.4	3	0	0.6

1.6.4 T Medicinal Chemistry-II	1.6.4 T	55	3	1	1.4	3	2	2.2
1.6.5 T Pharmacology-III	1.6.5 T	55	3	1	1.4	3	0	0.6
1.6.6 T Pharmacognosy –III	1.6.6 T	55	3	1	1.4	1	3	2.6
1.6.7 T Pharmaceutical Jurisprudence	1.6.7 T	55	3	1	1.4	3	0	0.6
1.7.1 T Pharmaceutics-VI	1.7.1 T	55	3	1	1.4	3	0	0.6
1.7.2 T Biopharmaceutics & Pharmacokinetics -I	1.7.2 T	55	3	1	1.4	3	0	0.6
1.7.3 T Cosmeticology - II	1.7.3 T	55	3	1	1.4	3	3	3
1.7.4 T Medicinal Chemistry- III	1.7.4 T	55	3	1	1.4	3	0	0.6
1.7.5 T Pharmacology –IV	1.7.5 T	55	3	1	1.4	3	3	3
1.7.6 T Pharmacognosy – IV	1.7.6 T	55	3	1	1.4	3	3	3
1.7.7 T Pharmaceutical Analysis - III	1.7.7 T	55	3	1	1.4	2	2	2

1.8.1 T Pharmaceutics - VII	1.8.1 T	55	3	1	1.4	3	3	3
1.8.2 T Biopharmaceutics & Pharmacokinetics - II	1.8.2 T	55	3	1	1.4	3	3	3
1.8.3 T Medicinal Chemistry- IV	1.8.3 T	55	3	1	1.4	3	3	3
1.8.4 T Pharmacognosy- V	1.8.4 T	55	3	1	1.4	3	3	3
1.8.5 T Clinical Pharmacology	1.8.5 T	55	3	1	1.4	3	3	3
1.8.6 T Pharmaceutical Analysis - IV	1.8.6 T	55	3	1	1.4	3	3	3
1.1.1 P Pharmaceutics-I (Dispensing & General Pharmacy)	1.1.1 P	55	3	1	1.4	1	2	1.8
1.1.2 P Pharmaceutical Organic Chemistry-I	1.1.2 P	55	3	1	1.4	3	3	3
1.1.3 P Pharmaceutical Inorganic Chemistry	1.1.3 P	55	3	1	1.4	3	3	3
1.1.4 P Anatomy, Physiology & Pathophysiology-I	1.1.4 P	55	3	1	1.4	3	3	3
1.1.6 P Remedial Biology	1.1.6 BP	55	3	1	1.4	3	3	3

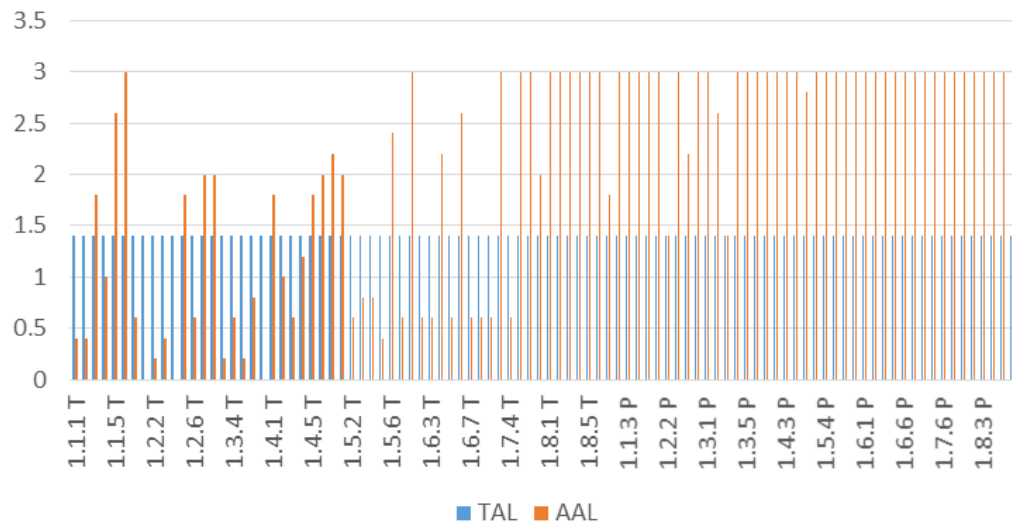
1.2.1 P Pharmaceutics-II	1.2.1 P	55	3	1	1.4	3	3	3
1.2.2 P Community & Hospital Pharmacy	1.2.2 P	55	3	1	1.4	3	1	1.4
1.2.3 P Pharmaceutical Organic Chemistry-II	1.2.3 P	55	3	1	1.4	3	3	3
1.2.4 P Biochemistry – I	1.2.4 P	55	3	1	1.4	3	2	2.2
1.2.6 P Pharmacognosy -I	1.2.6 P	55	3	1	1.4	3	3	3
1.3.1 P Pharmaceutics –III	1.3.1 P	55	3	1	1.4	3	3	3
1.3.2 P Physical Pharmaceutics-I	1.3.2 P	55	3	1	1.4	1	3	2.6
1.3.3 P Pharmaceutical Microbiology	1.3.3 P	55	3	1	1.4	3	1	1.4
1.3.4 P Pharmaceutical Organic Chemistry-III	1.3.4 P	55	3	1	1.4	3	3	3
1.3.5 P Anatomy, Physiology & Pathophysiology-III	1.3.5 P	55	3	1	1.4	3	3	3
1.3.6 P Pharmaceutical Analysis - I	1.3.6 P	55	3	1	1.4	3	3	3

1.4.1 P Pharmaceutics - IV	1.4.1 P	55	3	1	1.4	3	3	3
1.4.2 P Physical Pharmaceutics	1.4.2 P	55	3	1	1.4	3	3	3
1.4.3 P Pharmaceutical Organic Chemistry	1.4.3 P	55	3	1	1.4	3	3	3
1.4.5 P Pharmacology	1.4.5 P	55	3	1	1.4	3	3	3
1.4.6 P Computer Applications	1.4.6 P	55	3	1	1.4	2	3	2.8
1.5.3 P Biochemistry – II	1.5.3 P	55	3	1	1.4	3	3	3
1.5.4 P Medicinal Chemistry-I	1.5.4 P	55	3	1	1.4	3	3	3
1.5.5 P Pharmacology-II	1.5.5 P	55	3	1	1.4	3	3	3
1.5.6 P Pharmacognosy –II	1.5.6 P	55	3	1	1.4	3	3	3
1.5.7 P Pharmaceutical Analysis – II	1.5.7 P	55	3	1	1.4	3	3	3
1.6.1 P Cosmeticology – I	1.6.1 P	55	3	1	1.4	3	3	3
1.6.3 P Biotechnology	1.6.3 P	55	3	1	1.4	3	3	3
1.6.4 P Medicinal Chemistry-II	1.6.4 P	55	3	1	1.4	3	3	3

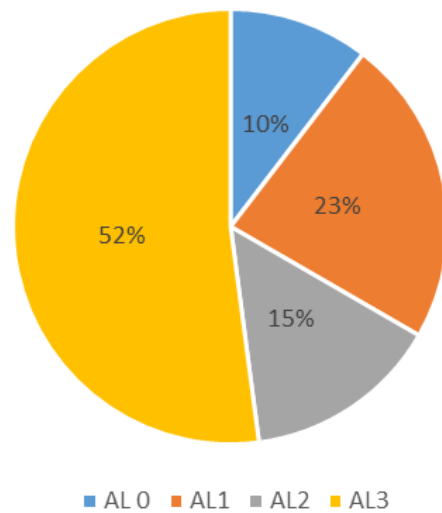
1.6.5 P Pharmacology-III	1.6.5 P	55	3	1	1.4	3	3	3
1.6.6 P Pharmacognosy –III	1.6.6 P	55	3	1	1.4	3	3	3
1.7.1 P Pharmaceutics-VI	1.7.1 P	55	3	1	1.4	3	3	3
1.7.3 P Cosmeticology - II	1.7.3 P	55	3	1	1.4	3	3	3
1.7.4 P Medicinal Chemistry- III	1.7.4 P	55	3	1	1.4	3	3	3
1.7.6 P Pharmacognosy – IV	1.7.6 P	55	3	1	1.4	3	3	3
1.7.7 P Pharmaceutical Analysis - III	1.7.7 T	55	3	1	1.4	3	3	3
1.8.1 P Pharmaceutics - VII	1.8.1 P	55	3	1	1.4	3	3	3
1.8.2 P Biopharmaceutics & Pharmacokinetics - II	1.8.2 P	55	3	1	1.4	3	3	3
1.8.3 P Medicinal Chemistry- IV	1.8.3 P	55	3	1	1.4	3	3	3
1.8.4 P Pharmacognosy- V	1.8.4 P	55	3	1	1.4	3	3	3

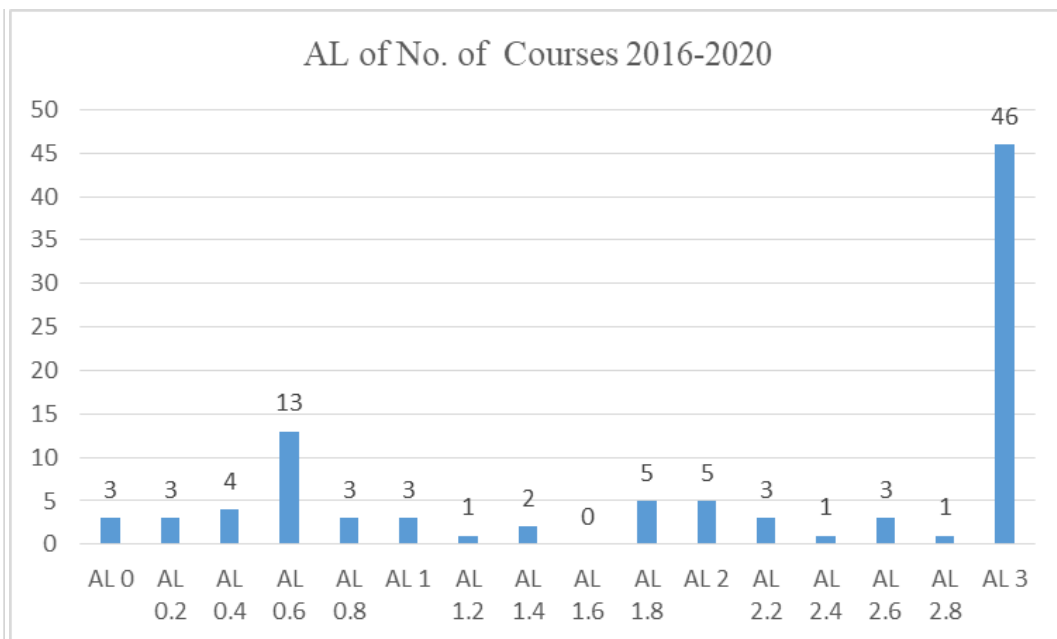
1.8.5 P Clinical Pharmacology	1.8.5 P	55	3	1	1.4	3	3	3
1.8.6 P Pharmaceutical Analysis - IV	1.8.6 P	55	3	1	1.4	3	3	3

CO ATTAINMENT LEVEL BATCH (2016-2020)



AL of Courses 2016-2020




Attainment of course outcomes B. Pharm batch 2015-2019 [SEM I-VIII]

Course Name	Course Code	Set Attainment Level (Marks %)	Target Attainment level (TAL)			Achieved Attainment Level (AAL)		
			IA	ESE	Final (TAL)	IA	ESE	Final (AAL)
1.1.1 T Pharmaceutics-I (Dispensing & General Pharmacy)	1.1.1 T	55	2	1	1.2	2	0	0.4
1.1.2 T Pharmaceutical Organic Chemistry-I	1.1.2 T	55	2	1	1.2	3	1	1.4
1.1.3 T Pharmaceutical Inorganic Chemistry	1.1.3 T	55	2	1	1.2	2	1	1.2

1.1.4 T Anatomy, Physiology & Pathophysiology-I	1.1.4 T	55	2	1	1.2	0	0	0
1.1.5 T Health Education & Environmental Studies	1.1.5 T	55	2	1	1.2	3	3	3
1.1.6 T Remedial Biology	1.1.6 BT	55	2	1	1.2	NA	NA	NA
1.1.6 T Remedial Mathematics	1.1.6 MT	55	2	1	1.2	0	0	0
1.2.1 T Pharmaceutics-II	1.2.1 T	55	2	1	1.2	1	0	0.2
1.2.2 T Community & Hospital Pharmacy	1.2.2 T	55	2	1	1.2	2	1	1.2
1.2.3 T Pharmaceutical Organic Chemistry-II	1.2.3 T	55	2	1	1.2	3	0	0.6
1.2.4 T Biochemistry – I	1.2.4 T	55	2	1	1.2	0	0	0
1.2.5 T Anatomy, Physiology & Pathophysiology-II	1.2.5 T	55	2	1	1.2	1	2	1.8
1.2.6 T Pharmacognosy- I	1.2.6 T	55	2	1	1.2	3	0	0.6
1.3.1 T Pharmaceutics –III	1.3.1 T	55	2	1	1.2	3	0	0.6

1.3.2 T Physical Pharmaceutics-I	1.3.2 T	55	2	1	1.2	3	1	1.4
1.3.3 T Pharmaceutical Microbiology	1.3.3 T	55	2	1	1.2	2	0	0.4
1.3.4 T Pharmaceutical Organic Chemistry-III	1.3.4 T	55	2	1	1.2	2	1	1.2
1.3.5 T Anatomy, Physiology & Pathophysiology-III	1.3.5 T	55	2	1	1.2	3	1	1.4
1.3.6 T Pharmaceutical Analysis - I	1.3.6 T	55	2	1	1.2	0	0	0
1.3.7 T Biostatistics	1.3.7 T	55	2	1	1.2	0	2	1.6
1.4.1 T Pharmaceutics - IV	1.4.1 T	55	2	1	1.2	3	0	0.6
1.4.2 T Physical Pharmaceutics	1.4.2 T	55	2	1	1.2	1	1	1
1.4.3 T Pharmaceutical Organic Chemistry	1.4.3 T	55	2	1	1.2	3	0	0.6
1.4.4 T Anatomy, Physiology Pathophysiology	1.4.4 T	55	2	1	1.2	3	0	0.6
1.4.5 T Pharmacology	1.4.5 T	55	2	1	1.2	2	0	0.4
1.4.6 T Computer Applications	1.4.6 T	55	2	1	1.2	3	3	3

1.4.7 T Pharmaceutical Marketing & Management	1.4.7 T	55	2	1	1.2	3	0	0.6
1.5.1 T Pharmaceutics - V (Quality Assurance & Regulatory Affairs)	1.5.1 T	55	2	1	1.2	2	1	1.2
1.5.2 T Pharmaceutical Engineering-I	1.5.2 T	55	2	1	1.2	3	3	3
1.5.3 T Biochemistry – II	1.5.3 T	55	2	1	1.2	2	2	2
1.5.4 T Medicinal Chemistry-I	1.5.4 T	55	2	1	1.2	2	3	2.8
1.5.5 T Pharmacology-II	1.5.5 T	55	2	1	1.2	3	0	0.6
1.5.6 T Pharmacognosy –II	1.5.6 T	55	2	1	1.2	3	3	3
1.5.7 T Pharmaceutical Analysis – II	1.5.7 T	55	2	1	1.2	2	3	2.8
1.6.1 T Cosmeticology – I	1.6.1 T	55	2	1	1.2	3	3	3
1.6.2 T Pharmaceutical Engineering-II	1.6.2 T	55	2	1	1.2	2	0	0.4
1.6.3 T Biotechnology	1.6.3 T	55	2	1	1.2	2	3	2.8

1.6.4 T Medicinal Chemistry-II	1.6.4 T	55	2	1	1.2	3	1	1.4
1.6.5 T Pharmacology-III	1.6.5 T	55	2	1	1.2	3	0	0.6
1.6.6 T Pharmacognosy –III	1.6.6 T	55	2	1	1.2	3	2	2.2
1.6.7 T Pharmaceutical Jurisprudence	1.6.7 T	55	2	1	1.2	2	1	1.2
1.7.1 T Pharmaceutics-VI	1.7.1 T	55	2	1	1.2	3	3	3
1.7.2 T Biopharmaceutics & Pharmacokinetics -I	1.7.2 T	55	2	1	1.2	1	0	0.2
1.7.3 T Cosmeticology - II	1.7.3 T	55	2	1	1.2	3	3	3
1.7.4 T Medicinal Chemistry-III	1.7.4 T	55	2	1	1.2	3	2	2.2
1.7.5 T Pharmacology –IV	1.7.5 T	55	2	1	1.2	3	2	2.2
1.7.6 T Pharmacognosy – IV	1.7.6 T	55	2	1	1.2	3	3	3
1.7.7 T Pharmaceutical Analysis - III	1.7.7 T	55	2	1	1.2	3	3	3
1.8.1 T Pharmaceutics - VII	1.8.1 T	55	2	1	1.2	1	2	1.8

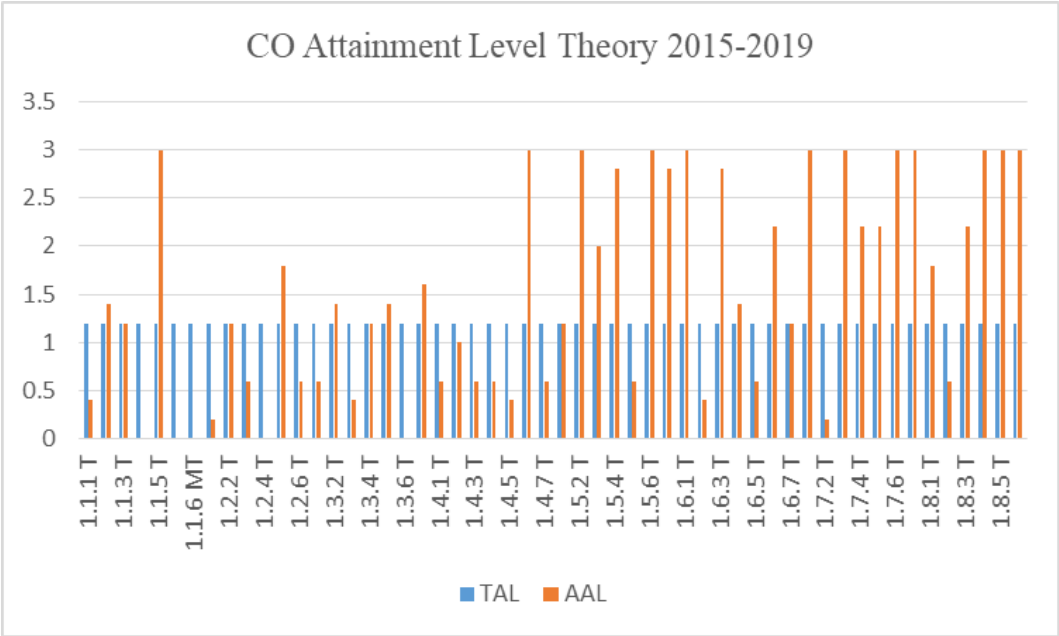
1.8.2 T Biopharmaceutics & Pharmacokinetics - II	1.8.2 T	55	2	1	1.2	3	0	0.6
1.8.3 T Medicinal Chemistry-IV	1.8.3 T	55	2	1	1.2	3	2	2.2
1.8.4 T Pharmacognosy- V	1.8.4 T	55	2	1	1.2	3	3	3
1.8.5 T Clinical Pharmacology	1.8.5 T	55	2	1	1.2	3	3	3
1.8.6 T Pharmaceutical Analysis - IV	1.8.6 T	55	2	1	1.2	3	3	3
1.1.1 P Pharmaceutics-I (Dispensing & General Pharmacy)	1.1.1 P	55	2	1	1.2	2	0	2.6
1.1.2 P Pharmaceutical Organic Chemistry-I	1.1.2 P	55	2	1	1.2	3	3	3
1.1.3 P Pharmaceutical Inorganic Chemistry	1.1.3 P	55	2	1	1.2	3	3	3
1.1.4 P Anatomy, Physiology & Pathophysiology-I	1.1.4 P	55	2	1	1.2	3	3	3
1.1.6 P Remedial Biology	1.1.6 BP	55	2	1	1.2	NA	NA	NA
1.2.1 P Pharmaceutics-II	1.2.1 P	55	2	1	1.2	2	3	2.8

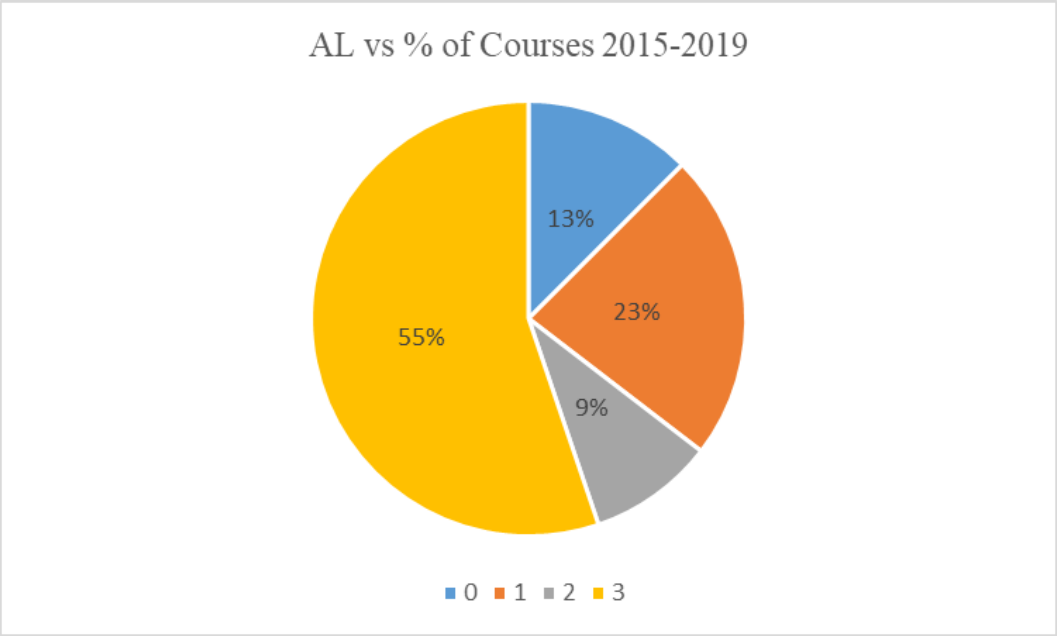
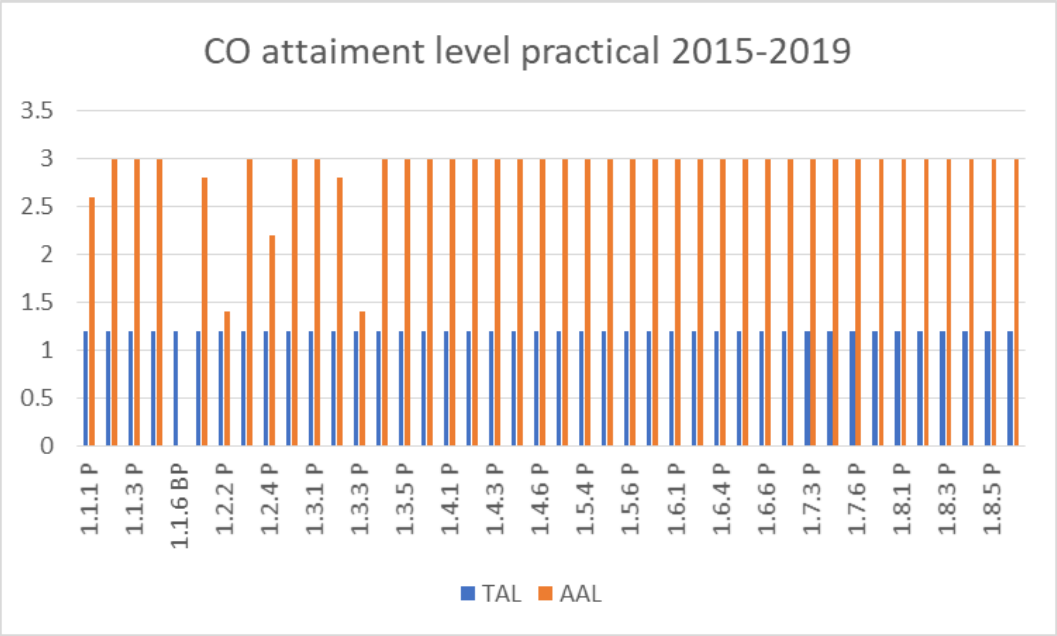
1.2.2 P Community & Hospital Pharmacy	1.2.2 P	55	2	1	1.2	3	1	1.4
1.2.3 P Pharmaceutical Organic Chemistry-II	1.2.3 P	55	2	1	1.2	3	3	3
1.2.4 P Biochemistry – I	1.2.4 P	55	2	1	1.2	3	2	2.2
1.2.6 P Pharmacognosy -I	1.2.6 P	55	2	1	1.2	3	3	3
1.3.1 P Pharmaceutics –III	1.3.1 P	55	2	1	1.2	3	3	3
1.3.2 P Physical Pharmaceutics-I	1.3.2 P	55	2	1	1.2	2	3	2.8
1.3.3 P Pharmaceutical Microbiology	1.3.3 P	55	2	1	1.2	3	1	1.4
1.3.4 P Pharmaceutical Organic Chemistry-III	1.3.4 P	55	2	1	1.2	3	3	3
1.3.5 P Anatomy, Physiology & Pathophysiology-III	1.3.5 P	55	2	1	1.2	3	3	3
1.3.6 P Pharmaceutical Analysis - I	1.3.6 P	55	2	1	1.2	3	3	3
1.4.1 P Pharmaceutics - IV	1.4.1 P	55	2	1	1.2	3	3	3

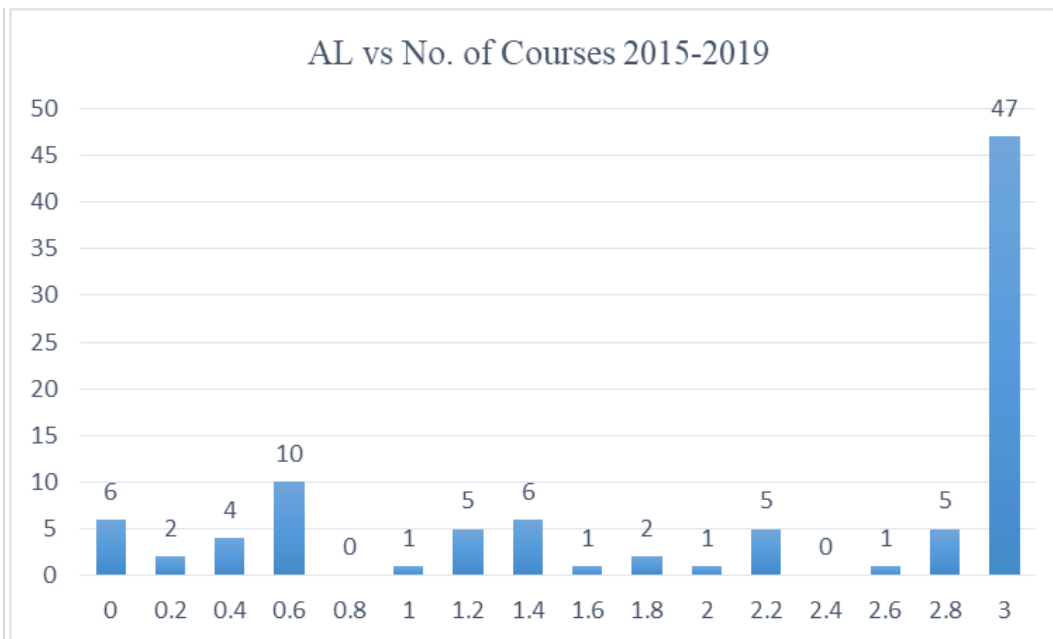
1.4.2 P Physical Pharmaceutics	1.4.2 P	55	2	1	1.2	3	3	3
1.4.3 P Pharmaceutical Organic Chemistry	1.4.3 P	55	2	1	1.2	3	3	3
1.4.5 P Pharmacology	1.4.5 P	55	2	1	1.2	3	3	3
1.4.6 P Computer Applications	1.4.6 P	55	2	1	1.2	3	3	3
1.5.3 P Biochemistry – II	1.5.3 P	55	2	1	1.2	3	3	3
1.5.4 P Medicinal Chemistry-I	1.5.4 P	55	2	1	1.2	3	3	3
1.5.5 P Pharmacology-II	1.5.5 P	55	2	1	1.2	3	3	3
1.5.6 P Pharmacognosy –II	1.5.6 P	55	2	1	1.2	3	3	3
1.5.7 P Pharmaceutical Analysis – II	1.5.7 P	55	2	1	1.2	3	3	3
1.6.1 P Cosmeticology – I	1.6.1 P	55	2	1	1.2	3	3	3
1.6.3 P Biotechnology	1.6.3 P	55	2	1	1.2	3	3	3
1.6.4 P Medicinal Chemistry-II	1.6.4 P	55	2	1	1.2	3	3	3

1.6.5 P Pharmacology-III	1.6.5 P	55	2	1	1.2	3	3	3
1.6.6 P Pharmacognosy –III	1.6.6 P	55	2	1	1.2	3	3	3
1.7.1 P Pharmaceutics-VI	1.7.1 P	55	2	1	1.2	3	3	3
1.7.3 P Cosmeticology - II	1.7.3 P	55	2	1	1.2	3	3	3
1.7.4 P Medicinal Chemistry-III	1.7.4 P	55	2	1	1.2	3	3	3
1.7.6 P Pharmacognosy – IV	1.7.6 P	55	2	1	1.2	3	3	3
1.7.7 P Pharmaceutical Analysis - III	1.7.7 T	55	2	1	1.2	3	3	3
1.8.1 P Pharmaceutics - VII	1.8.1 P	55	2	1	1.2	3	3	3
1.8.2 P Biopharmaceutics & Pharmacokinetics - II	1.8.2 P	55	2	1	1.2	3	3	3
1.8.3 P Medicinal Chemistry-IV	1.8.3 P	55	2	1	1.2	3	3	3
1.8.4 P Pharmacognosy- V	1.8.4 P	55	2	1	1.2	3	3	3
1.8.5 P Clinical Pharmacology	1.8.5 P	55	2	1	1.2	3	3	3

1.8.6 P								
Pharmaceutical Analysis - IV	1.8.6 P	55	2	1	1.2	3	3	3







Above graphs depict the course outcomes attainment level for the batches of LYG, LYG-1 and LYG-2. It is seen that 50% and more of courses have achieved course outcomes attainment level of 3.

3.3 Attainment of Program Outcomes (40)

Total Marks 40.00

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

Institute Marks : 10.00

Attainment of each program outcome is assessed by two different processes i.e. direct assessment and indirect assessment.

Direct assessment tools for attainment of Program Outcomes:

Direct assessment tools and processes for attainment of various POs are shown in below table, which is comprised of various academic tools such as end semester examinations, internal test papers, practical synopsis, viva-voce, laboratory assessment and practical record books. For calculations of final attainment of POs, 80% of marks are considered.

Sr. No.	Assessment tool	Objective	Program Outcomes [PO] Mapped	Assessment Process
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1	Internal test papers Theory (IA)	Assessing understanding and demonstration of knowledge gained with respect to theoretical aspects of course content	All PO s	Students are assessed based upon internal test of the respective course, answer sheets are evaluated and marks are allotted. The marks scored are considered for attainment of program outcomes.
2	Internal test papers Practicals (IA) (practical synopsis, viva-voce, laboratory assessment, practical record book)	Assessing, understanding and demonstration of knowledge gained with respect to practical aspects of course content	All PO s	Students are assessed based upon internal test of the respective course, answer sheets are evaluated and marks are allotted. The marks scored are considered for attainment of program outcomes.
3	End semester Examination	Assessing understanding and demonstration of knowledge gained with respect to course content	All PO s	Students are evaluated in end semester examination conducted by the University, marks obtained by the students are considered for calculation of program outcomes.

Indirect tools for attainment of Program Outcomes:

Indirect assessment tools and processes for attainment of various POs are as shown in the below table, comprising of various assessment tools such as assignments, project reports , alumni survey, recruiters' survey, surveys of student performance from academic institutes for higher education, survey from society regarding professional services from students, sports and cultural activities, students' council, industrial visit, in-plant training etc. 20 % of marks scored under this assessment criteria are used for calculation of final attainment of Program Outcomes.

Sr. No.	Assessment tool	Objective	Frequency	Program Outcomes [PO s]	Assessment Process
1	Recruiters survey	To collect feedback from employers about knowledge and skills possessed by the students	Annually	All PO s	Verbal/ written responses are collected and evaluated
2	Student exit survey	To assess contribution of the program towards overall development of the student	After completion of program	All PO s	Verbal/ written responses are collected and evaluated
3	Alumni survey	To assess contribution of the program towards professional fulfilment of the student	Once, after completion of graduation	All PO s	Verbal/ written responses are collected and evaluated

4	Survey from higher education institutes	To collect feedback from higher education institutes knowledge and skills possessed by candidate	Annually	All PO s	Verbal/ written responses are collected and evaluated
5	Society feedback	To collect feedback from society knowledge and skills possessed by candidates	After health campaigns	All PO s	Verbal/ written responses are collected and evaluated
6	Extracurricular activities (cultural/sports activities)	To assess extracurricular development of students	After every cultural/sports event	PO2, PO5, PO8,PO9, PO10,PO11	Planning abilities, leadership skills, personal skills and inter-personal capabilities are observed and noted
7	Co- curricular activities (Assignments/project reports/guest lectures/ In-Plant Training/ Industrial visit)	To assess impact of various co- curricular activities on upgrading professional knowledge and skills of students	After every co-curricular activity	All PO s	Impact on professional knowledge and skills of students are observed and noted
8	Student's council	To assess professional and personal capabilities of students	In third year of the program	PO2, PO3, PO5, PO8, PO11	Capabilities and leadership skills of students are observed and noted

3.3.2 Provide results of evaluation of each PO (30)

Institute Marks : 30.00

PO Attainment

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
1.1.1 T	0.2	0.132	0.132	0.066	0	0.066	0	0	0.066	0	0.066
1.1.2 T	0	0	0	0	0	0	0	0	0	0	0
1.1.3 T	0	0	0	0	0	0	0	0	0	0	0
1.1.4 T	0.133	0	0	0	0	0	0	0.133	0	0	0.133

1.1.5 T	0.866	0	0	0	0	0	0	0.866	0.866	0.866	0.866
1.1.1 P	1.4	1.4	1.4	0.466	0	0	0	0.466	0	0	0.466
1.1.2 P	3	2	2	2	0	0	0	1	0	0	0
1.1.3 P	1	2	1	2	0	0	0	1	0	0	1
1.1.4 P	0.8	0.8	0.8	0	0	0	0	0.8	0.8	0	0.8
1.1.6 BT	2	0	0	0	0	0	0	0	0	0	2
1.1.6 MT	0	0	0	0	0	0	0	0	0	0	0
1.1.6 BP	0	0	0	0	0	0	0	0	0	0	0
1.2.1 P	1.8	0.6	0	1.2	0	0	0	0.6	0.6	0	0.6
1.2.2 P	0.4	0.266	0	0.266	0	0.266	0	0.133	0.133	0	0.133
1.2.3 P	1.46	0.73	0	0	0	0	0	0.73	0	0	0.73
1.2.4 P	0.066	0.132	0.132	0	0	0	0	0.066	0	0	0.066
1.2.6 P	1	1	1	1	0	1	0	1	1	0	1
1.2.1 T	0.2	0.132	0.132	0.066	0	0.132	0	0	0.066	0.066	0.066
1.2.2 T	0.532	0.532	0	0.532	0	0.532	0.532	0.532	0.8	0	0.266
1.2.3 T	0.132	0	0	0	0	0	0	0	0	0	0.132
1.2.4 T	0.132	0.132	0.132	0.066	0	0	0	0	0.132	0	0.132
1.2.5 T	0	0	0	0	0	0	0	0	0	0	0
1.2.6 T	0.4	0.4	0	0	0	0.4	0	0.4	0.4	0.4	0.4
1.3.1 T	0	0	0	0	0	0	0	0	0	0	0
1.3.2 T	0.532	0.532	0.532	0.532	0	0	0	0	0	0	0.532
1.3.3 T	0.4	0	0.266	0.266	0	0	0	0	0.266	0.266	0.133
1.3.4 T	0.6	0	0.4	0	0	0	0	0	0	0	0.4
1.3.5 T	0	0	0	0	0	0	0	0	0	0	0
1.3.6 T	0.932	0	0.932	0.932	0	0	0	0	0	0	0.932
1.3.7 T	0	0.4	0.4	0	0	0	0	0	0.2	0.2	0.4
1.3.1 P	2.6	1.732	0.866	0.866	0	0	0	0.866	0	0	0
1.3.2 P	1.6	2.4	2.4	1.6	0	0	0	0.8	0	0	0.8
1.3.3 P	0.6	0.4	0	0.4	0	0	0	0.2	0.4	0.2	0.2
1.3.4 P	3	2	0	2	0	0	0	1	0	0	2
1.3.5 P	0.73	0.73	0.73	0	0	0	0	0.73	0	0	0.73

1.3.6 P	3	2	2	2	0	0	PO7	1	0	0	2
1.4.1 P	3	2	0	2	0	0	0	1	0	0	0
1.4.2 P	2	3	3	2	0	0	0	1	0	0	1
1.4.3 P	2	2	1	0	0	0	0	1	0	0	2
1.4.5 P	0.2	0.2	0.2	0	0	0	0	0.2	0.2	0	0.2
1.4.6 P	0	0.2	0.2	0.4	0	0	0	0.2	0	0	0.4
1.4.1 T	0.2	0.066	0.066	0.132	0	0	0	0	0.132	0	0
1.4.2 T	0	0	0	0	0	0	0	0	0	0	0
1.4.3 T	0.266	0.133	0.133	0.133	0	0	0	0	0	0.133	0.4
1.4.4 T	0.4	0	0	0	0	0	0	0	0.2	0	0.2
1.4.5 T	0	0	0	0	0	0	0	0	0	0	0
1.4.6 T	0.466	0.466	0.466	0.466	0	0	0	0.466	0	0	0.932
1.4.7 T	1	2	2	1	2	1	1	2	0	1	1
1.5.1 T	1.2	0.8	0.8	0	0	0	0.8	0	0	0	0.8
1.5.2 T	0.4	0.4	0.4	0.4	0.4	0	0	0	0.2	0.2	0.6
1.5.3 T	0.132	0	0.066	0.066	0	0	0	0	0.132	0	0.066
1.5.4 T	0.4	0	0.2	0	0	0	0	0	0	0	0.4
1.5.5 T	0.066	0	0	0	0	0	0	0	0.066	0	0.066
1.5.6 T	0.932	0.932	0.932	0.932	0	0.932	0	0	0.932	0	0.932
1.5.7 T	0.2	0	0.066	0.132	0	0	0	0	0	0.132	0.132
1.5.3 P	2	1	1	1	0	0	0	1	2	0	1
1.5.4 P	3	2	0	0	0	0	0	1	0	2	2
1.5.5 P	1	1	1	0	0	0	0	1	1	0	1
1.5.6 P	0	2	2	2	0	0	0	1	0	0	1
1.5.7 P	3	2	2	3	0	0	0	1	0	0	2
1.6.1 P	3	3	3	2	0	0	0	1	0	0	0
1.6.3 P	3	0	0	3	0	0	3	1	0	2	2
1.6.4 P	3	3	3	2	2	0	0	1	0	0	0
1.6.5 P	1	1	2	1	0	0	0	1	1	0	1
1.6.6 P	3	2	2	0	0	0	0	1	0	2	2
1.6.1 T	3	3	3	2	0	2	2	0	2	3	0

1.6.2 T	2	2	3	2	2	0	1	0	0	1	0
1.6.3 T	2	0	0	2	0	0	0	0	0	0	3
1.6.4 T	3	0	2	0	0	0	0	0	2	0	3
1.6.5 T	2	0	2	0	0	0	0	0	1	0	1
1.6.6 T	3	0	0	0	0	2	0	0	0	2	2
1.6.7 T	3	3	3	0	1	3	3	3	3	0	1
1.7.1 T	0.6	0.4	0.4	0.2	0	0	0	0	0.2	0	0.2
1.7.2 T	0.6	0.6	0.4	0.2	0	0	0	0	0	0	0.2
1.7.3 T	0.73	2.2	1.46	0.73	0	1.46	2.2	0	0	0	0.73
1.7.4 T	0.4	0	0.2	0	0	0	0	0	0	0	0.4
1.7.5 T	0.466	0	0	0	0	0	0	0	0.466	0	0.466
1.7.6 T	0.6	0.4	0.4	0.4	0	0	0	0	0	0	0.4
1.7.7 T	0.6	0	0.4	0.4	0	0	0	0	0	0	0.4
1.7.1 P	3	3	3	1	0	0	0	1	0	0	1
1.7.3 P	1	3	2	0	0	2	0	1	0	0	0
1.7.4 P	3	2	2	2	0	0	0	1	0	2	2
1.7.6 P	2.2	1.46	1.46	1.46	0	0	0	0.73	0	0	1.46
1.7.7 P	3	2	2	2	0	0	0	1	0	0	2
1.8.1 P	3	3	3	1	0	0	0	1	0	0	0
1.8.2 P	2	3	2	0	0	0	0	1	0	0	1
1.8.3 P	2	2	1	3	0	0	0	1	0	0	1
1.8.4 P	2	2	2	0	0	0	0	1	2	0	1
1.8.5 P	3	0	0	0	0	2	0	1	2	0	2
1.8.6 P	3	2	2	2	0	0	0	1	0	0	0
1.8.1 T	3	2	2	2	2	0	0	1	0	0	1
1.8.2 T	3	3	3	2	0	0	0	0	0	0	1
1.8.3 T	2	2	2	2	0	1	0	0	0	0	2
1.8.4 T	2	2	0	2	0	0	2	2	0	2	2
1.8.5 T	3	0	0	0	0	2	0	2	3	0	3
1.8.6 T	3	2	3	3	1	2	2	0	0	0	2

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Direct Attainment	1.54	1.47	1.35	1.24	1.49	1.28	1.75	0.92	0.85	1.08	0.97
InDirect Attainment	2.711	2.526	2.415	2.566	2.242	2.47	2.614	2.426	2.314	2.134	2.311
PO Attainment	1.77	1.68	1.56	1.51	1.64	1.52	1.92	1.22	1.14	1.29	1.24

4 STUDENTS' PERFORMANCE (180)

Total Marks 159.68

Total Marks 20.00

Table 4.1

Item	2021-22 (CAY)	2020-21 (CAYm1)	2019-20 (CAYm2)	2018-19 (CAYm3)	2017-18 (CAYm4)	2016-17 (CAYm5)	2015-16 (CAYm6)
Sanctioned intake of the program(N)	100	100	75	60	60	60	60
Total number of students admitted in first year (N1)	118	117	77	63	65	63	63
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	0	11	7	5	7	6	0
Total number of students admitted in the programme(N1 + N2)	118	128	84	68	72	69	63

4.1 Enrolment Ratio (20)

Institute Marks : 20.00

	N (From Table 4.1)	N1 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2021-22	100	118	118.00
2020-21	100	117	117.00
2019-20	75	77	102.67

Average [(ER1 + ER2 + ER3) / 3] : 112.56

Assessment : 20.00

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

Total Marks 43.20

Table 4.2

Year of entry	Number of students admitted in 1st year + admitted via lateral entry in 2nd year (N1 + N2)	Number of students who have successfully graduated without backlogs in any year of study (Without backlog means no compartment/failure in any semester/year of study)			
		I year	II year	III year	IV year
2021-22 (CAY)	118				
2020-21 (CAYm1)	128	114			
2019-20 (CAYm2)	84	46	53		
2018-19 (CAYm3)	68	24	29	29	
2017-18 (LYG)	72	49	51	51	50
2016-17 (LYGm1)	69	54	56	50	50
2015-16 (LYGm2)	63	54	51	49	49

Table 4.3

Year of entry	Number of students admitted in 1st year + admitted via lateral entry in 2nd year (N1 + N2)	Number of students who have successfully graduated in stipulated period of study) [Total of with Backlog + without Backlog]			
		I year	II year	III year	IV year
2021-22 (CAY)	118				
2020-21 (CAYm1)	128	114			
2019-20 (CAYm2)	84	77	83		
2018-19 (CAYm3)	68	63	68	68	
2017-18 (LYG)	72	64	70	70	70
2016-17 (LYGm1)	69	60	64	64	64
2015-16 (LYGm2)	63	63	62	61	61

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

Institute Marks : 24.00

Item	Latest Year of Graduation, LYG (2017-18)	Latest Year of Graduation minus 1, LYGm1 (2016-17)	Latest Year of Graduation minus 2 LYGm2 (2015-16)
X Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry	72.00	69.00	63.00
Y Number of students who have graduated without backlogs in the stipulated period	50.00	50.00	49.00

Average SI [(SI1 + SI2 + SI3) / 3] : 0.80

Assessment = 30 * Average SI : 24.00

4.2.2 Success rate in stipulated period (20)

Institute Marks : 19.20

Item	Latest Year of Graduation, LYG (2017-18)	Latest Year of Graduation minus 1, LYGm1 (2016-17)	Latest Year of Graduation minus 2 LYGm2 (2015-16)
X Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry	72.00	69.00	63.00
Y Number of students who have graduated in the stipulated period	70.00	64.00	61.00
Success Index [SI = Y / X]	0.97	0.93	0.97

Average SI [(SI1 + SI2 + SI3) / 3] : 0.96

Assessment = 20 * Average SI : 19.20

Note : If 100% students clear without any backlog then also total marks scored will be 40 as both 4.2.1 & 4.2.2 will be applicable simultaneously.

4.3 Academic Performance in Final Year (10)

Total Marks 7.36

Institute Marks : 7.36

Academic Performance	2017-18 (LYG)	2016-17 (LYGm1)	2015-16 (LYGm2)
Mean of CGPA or mean percentage of all successful students(X)	7.37	7.64	7.07
Total number of successful students(Y)	70.00	64.00	61.00
Total number of students appeared in the examination(Z)	70.00	64.00	61.00
API [X*(Y/Z)]:	7.37	7.64	7.07

Average API [(AP1 + AP2 + AP3)/3] : 7.36

Academic Performance = Average API = [(AP1 + AP2 + AP3)/3] : 7.36

4.4 Academic Performance in Third Year (10)

Total Marks 7.55

Academic Performance	CAYm3 (2018-19)	LYG (2017-18)	LYGm1 (2016-17)
Mean of CGPA or mean percentage of all successful students(X)	8.20	7.80	6.64
Total number of successful students (Y)	68.00	70.00	64.00
Total number of students appeared in the examination (Z)	68.00	70.00	64.00
API [$X * (Y/Z)$]	8.20	7.80	6.64

Average API [$(AP1 + AP2 + AP3)/3$] : 7.55

Academic Performance = Average API [$(AP1 + AP2 + AP3)/3$] : 7.55

4.5 Academic Performance in Second Year (10)

Total Marks 7.39

Institute Marks : 7.39

Academic Performance	2019-20 (CAYm2)	2018-19 (CAYm3)	2017-18 (LYG)
Mean of CGPA or mean percentage of all successful students(X)	8.13	7.73	6.51
Total number of successful students(Y)	83.00	68.00	70.00
Total number of students appeared in the examination(Z)	84.00	68.00	71.00
API [$X*(Y/Z)$]:	8.03	7.73	6.42

Average API [$(AP1 + AP2 + AP3)/3$] : 7.39

Academic Performance = Average API = [$(AP1 + AP2 + AP3)/3$] : 7.39

4.6 Academic Performance in First Year (20)

Total Marks 15.38

Institute Marks : 15.38

Academic Performance	2020-21 (CAYm1)	2019-20 (CAYm2)	2018-19 (CAYm3)
Mean of CGPA or mean percentage of all successful students(X)	8.47	7.83	6.99
Total number of successful students(Y)	114.00	77.00	63.00
Total number of students appeared in the examination(Z)	117.00	77.00	63.00
API [$X*(Y/Z)$]:	8.25	7.83	6.99

Average API [$(AP1 + AP2 + AP3)/3$] : 7.69

Academic Performance = Average API = [$(AP1 + AP2 + AP3)/3$] : 7.69

4.7 Placement and Higher Studies (40)

Total Marks 38.80

Item	2017-18 (LYG)	2016-17 (LYGm1)	2015-16 (LYGm2)
Total No of Final Year Students(N)	70.00	64.00	61.00
Number of students placed in Industries/ Hospitals/ Government sector through on/off campus recruitment or opted for Entrepreneurship(x)	26.00	23.00	30.00
No. of students admitted to higher studies with valid scores in various qualifying exams(y)	40.00	39.00	31.00
Placement Index [(X + Y)/N] :	0.94	0.97	1.00

Average Placement [(X + Y)/N] : 0.97

Assessment [40 * Average Placement] : 38.80

4.8 Professional Activities (20)

Total Marks 20.00

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

Institute Marks : 5.00

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

Events Held

SR. NO	NAME OF THE ACTIVITY	NATURE OF THE ACTIVITY	DATE	VENUE	ASSOCIATED PROFESSIONAL SOCIETY / BODY
1.	53 RD ANNUAL INTERNATIONAL CONFERENCE OF THE INDIAN HOSPITAL PHARMACISTS	INTERNATIONAL CONFERENCE	FEBRUARY 2018	RAJIV GANDHI KALA MANDIR, PONDA, GOA	PHARMACOVIGILANCE DIVISION, INDIAN PHARMACOPEIA COMMISSION. SUPPORTED BY HOSPITAL PHARMACY FOUNDATION
2.	FREE HEALTH CHECK UP (CAMP)	HEALTH CAMP	NOVEMBER 2018	SPORTS COMPLEX	IPA
3.	FACULTY DEVELOPMENT PROGRAMME – INDUSTRIAL PHARMACY I	FDP	SEPTEMBER 2019	PESS RAJARAM AND TARABAI BANDEKAR COLLEGE OF PHARMACY	ICT, DEPARTMENT OF PHARMACEUTICAL SCIENCES AND TECHNOLOGY
4.	ONLINE CONTINUED PHARMACY EDUCATION PROGRAMME	CPE	MAY 2021	ONLINE MODE	GOA STATE PHARMACY COUNCIL, IPA-CPD GOA BRANCH

5	OFFLINE - CONTINUED PHARMACY EDUCATION PROGRAMME	CPE	MAY 2022	OFFLINE (PESs RAJARAM AND TARABAI BANDEKAR COLLEGE OF PHARMACY)	GOA STATE PHARMACY COUNCIL, IPA-CPD GOA BRANCH
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Lectures Conducted

SR. NO.	NAME OF THE PRESENTER	TOPIC	DATE	ASSOCIATED PROFESSIONAL SOCIETY / BODY
1	MR. MANGESH SAHANE (GENERAL MANAGER, REGULATORY AFFAIRS, UNICHEM LABORATORIES LTD, GOA)	"SUPAC"	13/02/2021	V CONNECT SERIES
2	MR. SOHAM SAGAR (SENIOR SCIENTIST II AND TEAM LEADER, VERGO PHARMA RESEARCH LIMITED)	"ICH GUIDELINES"	26/02/2021	V CONNECT SERIES
3	DR V.P RATABOLI	"LOOK ALIKE SOUND ALIKEDRUG NAMES AND DRUG BRANDS: NIGHTMARE OF DOCTERS AND PHARMACIST"	08/05/2021	IN ASSOCIATION WITH GOA STATE PHARMACY COUNCIL AND IPA -CPD GOA BRANCH
4	DR TEJAS KAMAT	"COVID VACCINE MYTHS AND FACTS: WHAT WE SHOULD KNOW"	08/05/2021	IN ASSOCIATION WITH GOA STATE PHARMACY COUNCIL AND IPA -CPD GOA BRANCH
5	MR. MAHESH ZAGADE (FORMER COMMISSIONER, FDA, MAHARASHTRA STATE)	"COMMUNITY PHARMACIST: THE BACKBONE OF PATIENT -CARE SYSTEM"	13/06 /2021	IN COLLABORATION WITH WRC-APCI

6	VIJAY BHASKAR (ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICAL CHEMISTRY, MANIPAL COLLEGE OF PHARMACY, KARNATAKA) DR GIRISH HAMPANNAVAR (ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICAL CHEMISTRY, K.L.E COLLEGE OF PHARMACY, KARNATAKA)	"UNDERSTANDING PRACTICE SCHOOL"	19/06/2021	V CONNECT SERIES
7	PROF (DR) ASHISH BALDI (MRSPT UNIVERSITY, BHATINDA, PUNJAB)	"CONFRONTING THE REALITY OF COMMUNITY PHARMACIES: THE UNSPOKEN TRUTH & WAYS AHEAD"	26/06/2021	IN COLLABORATION WITH WRC-APCI
8	MR . VAIBHAV NIGALYE (PHARMACIST MANAGER JHOOTS PHARMACY SWIDON- WHILTSHIRE UK)	"REGISTRATION AS A PHARMACIST AND CAREER OPPORTUNITIES IN UNITED KINGDOM"	29/6/2021	RE-CONNECT SERIES
9	MR GIRISH KULKARNI (ASSOCIATE VICE- PRESIDENT, SALES AND MARKETING, INTAS PHARMACEUTICALS, AHMEDABAD, MEDICOLOGICAL EXPERT)	"IMPLICATIONS FOR COMMUNITY PHARMACY PRACTICE IN INDIA"	10/07/2021	IN COLLABORATION WITH WRC-APCI
10	PROF.(DR.) MD SALAHUDDIN (PRINCIPAL AL AMEEN COLLEGE OF PHARMACY)	"GOING BEYOND DISPENSING: THE DYNAMIC ROLES OF PHARMACIST IN THE HEALTHCARE ARENA"	24/07/2021	IN COLLABORATION WITH WRC-APCI
11	MR DURGESH PAI ANGLE (GENERAL MANAGER, HUMAN RESOURCES, UNICHEM LABORATORIES LTD, GOA)	"KEYS TO SUCCEED IN COMPETENCY BASED INTERVIEW"	24/07/2021	V CONNECT SERIES

12	MS SIYA KUNDE (EXECUTIVE, VERGO PHARMA, RESEARCH LABORATORIES, PVT. LTD, GOA.)	"ROLE OF PROJECT MANAGEMENT IN PHARMACEUTICAL INDUSTRY"	30/07/2021	RE-CONNECT SERIES
13	DR PADNABH V. RATAPOLI	"PREDISPENSING CONSIDERATIONS AND PRESCRIPTION AUDIT: PHARMACIST APPROACH"	14/08/2021	IN COLLABORATION WITH WRC-APCI
14	MR .RAJ VAIDYA (COMMUNITY PHARMACIST, HINDU PHARMACY, PANAJI)	"COMMUNITY PHARMACY: NOW IT IS TIME FOR ACTION"	29/08/2021	IN COLLABORATION WITH WRC-APCI
15	MR AAKASH NATHANI (NIPER ALUMNUS)	"STRATEGY FOR GPAT AND NIPER PREPARATION"	25/09/2021	V CONNECT SERIES
16	DR ANANT SURYAWANSHI (MBBS, MD, MED, EX ASSOCIATE PROFESSOR, MEDICINE, DIRECTOR, PHNOEX MULTI SPECIALITY HOSPITAL, NANDED) DR SHRUTI KALKEKAR (MBBS, DCH, PGPN (BOSTON), DIRECTOR, DR KALKEKAR CURA CLINIC, SEAWOODS, NAVI MUMBAI)	"ADJUSTING TO THE NEW NORMAAL"	13/02/2022	IN COLLABORATION WITH WRC-APCI
17	DR.(MRS.) AKSHADA AMIT KOPARDE (M.PHARM. PH.D, ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICAL CHEMISTRY, KRISHNA INSTITUTE OF PHARMACY, KIMSDU, KARAD)	"SCIENTIFIC ASPECTS OF DRUG DEVELOPMENT"	11/04/2022	V CONNECT SERIES

18	DR MANJUNATH KATAGI (ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICAL CHEMISTRY, BAPUJI COLLEGE OF PHARMACY, DAVENGERE, KARNATAKA)	"CONCEPTUAL CONCERNS OF RESEARCH METHODS"	11/04/2022	V CONNECT SERIES
19	MR RAVINDRA SARDESSAI (ASSISTANT MANAGER, QUALITY ASSURANCE, FRESENIUS KABI INDIA PVT LTD.)	"CAREER OPPORTUNITIES IN PHARMACEUTICAL INDUSTRIES	"29/04/2022	V CONNECT SERIES

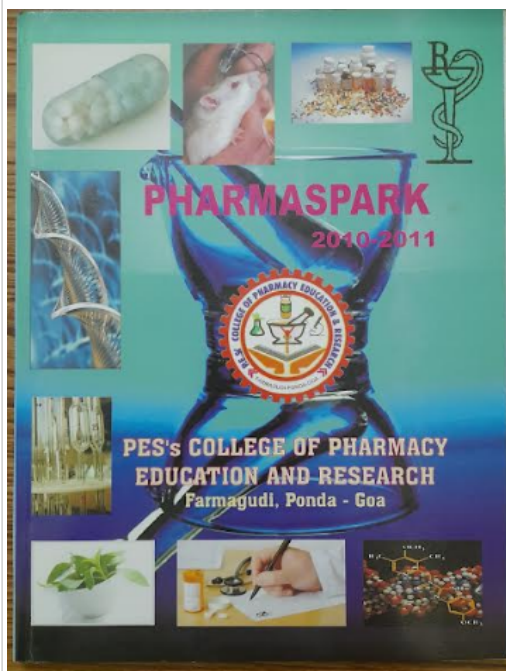
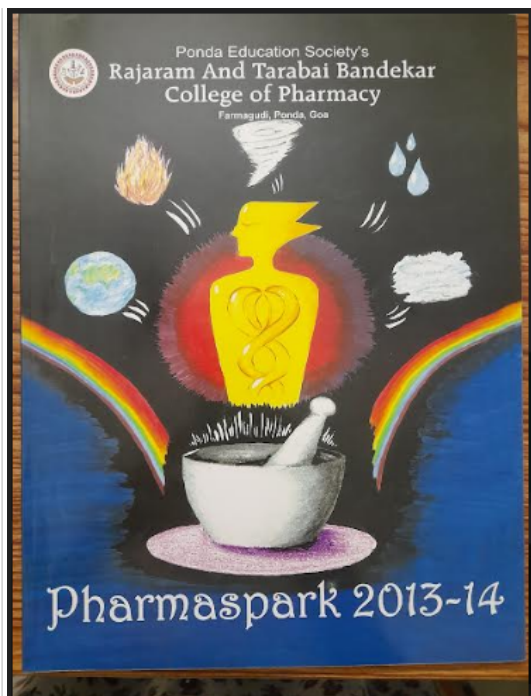
4.8.2 Publication of technical magazines, newsletters, etc. (5)

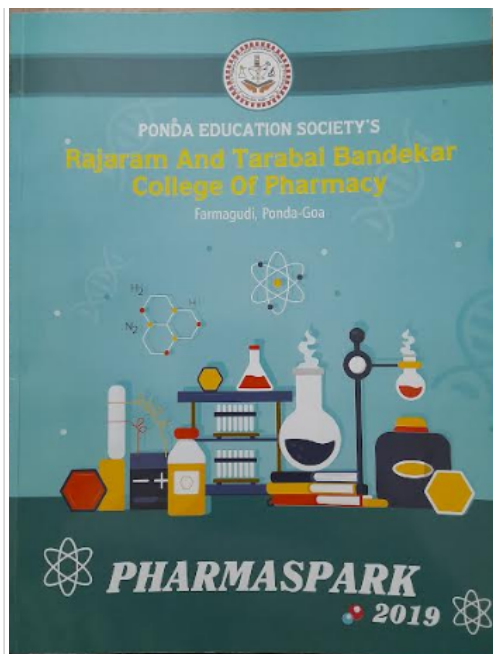
Institute Marks : 5.00

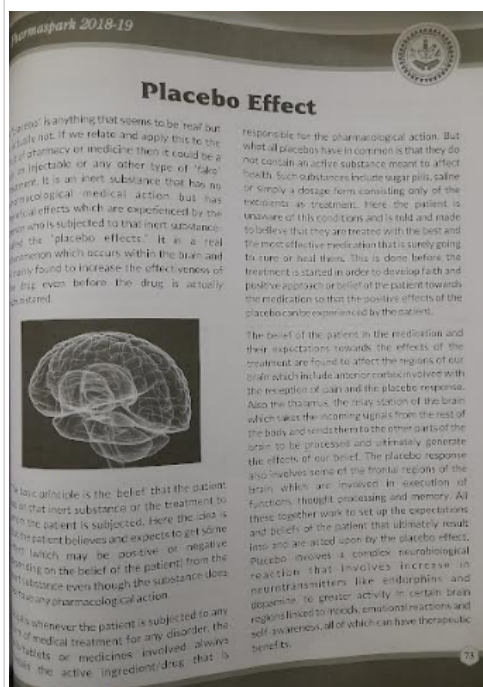
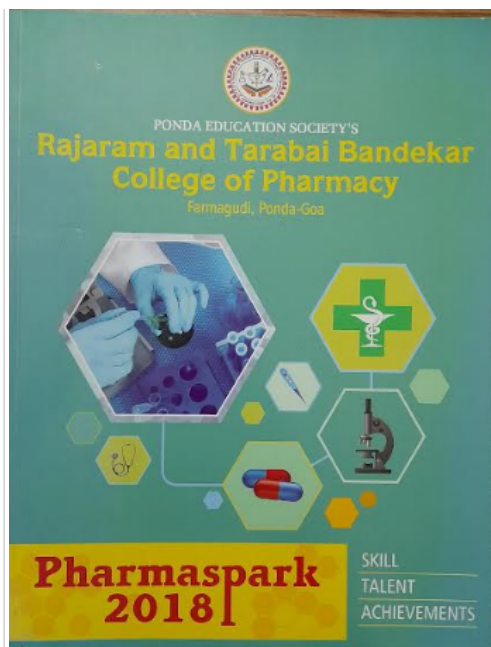
4.8.2 Publication of technical magazines, newsletter, etc. (5)

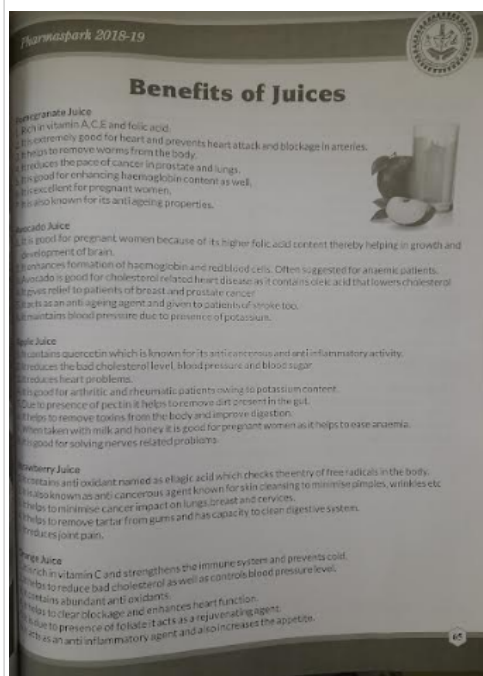
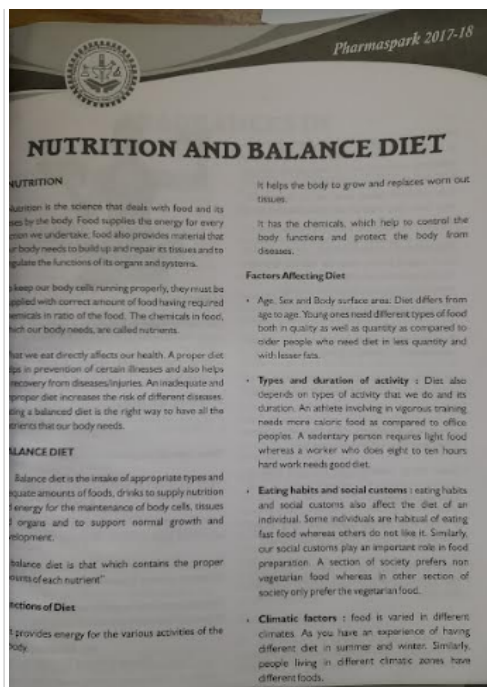
Every Year College Magazine "Pharma Spark" is released containing technical articles written by teachers and students.

Following are the specimens of the college magazine coverage - Pharmaspark published every year along with few specimens of technical articles .









Pharmaspark 2018-19

Schizophrenia

Schizophrenia is a chronic and severe disorder that affects how a person thinks, feels and acts. Although schizophrenia is not as common as other mental disorders, it can be very disabling. Approximately 7 or 8 individuals out of 1000 will have schizophrenia in their lifetime.

Schizophrenia means "split personality". The prefix, schizo, means "split". The term was introduced by Eugen Bleuler in 1911 to describe a condition where intellectual functions are isolated from emotions.

The term schizophrenia was chosen to emphasize the lack of integration or separability of some people.

For example, their emotional responses were not integrated or related to their intellectual responses and they laughed at sad events or their intellectual responses were not integrated with their senses and they heard things in the absence of direct sensory stimulation. People with schizophrenia may cope with symptoms throughout their lives but treatment helps many to recover and pursue their goals.

Researchers are developing more effective treatments and using new research tools to understand the causes of schizophrenia.

Symptoms are categorised as positive, negative and cognitive symptoms.

Positive symptoms

People with positive symptoms may have trouble in some aspects of reality. For some people these symptoms may come and go and for some they stay stable over time. Sometimes they are severe. These include:

Hallucinations - are sensory experience that occur in the absence of stimulus.

Delusions - are strongly held false beliefs that are not consistent with the person's culture.

Negative symptoms

These symptoms include:


- "Flat affect" (reduced expression of emotions via facial expression or voice tone)
- Reduced feelings of pleasure in everyday life
- Difficulty beginning and sustaining activities
- Reduced speaking

Cognitive symptoms include

- "Poor" executive functioning (ability to understand information and use it to make a decision)
- Trouble focusing or giving attention
- Problems with "working memory" (the ability to use information immediately after learning it)

Causes of schizophrenia

Researchers believe that a combination of genetics, brain chemistry and environment contributes to development of disorder.



Pharmaspark 2017-18

GREEN CHEMISTRY

Green chemistry is the utilization of a set of principles that reduce or eliminates the use or generation of hazardous substances in the design, manufacture, and application of chemical products.

HISTORY:

The term green chemistry was first used in 1991 by P.T. Anastas in a special program launched by the US Environmental Protection Agency (EPA) to implement sustainable development in chemistry and chemical technology by industry, academic and government.

THE 12 PRINCIPLES OF GREEN CHEMISTRY:

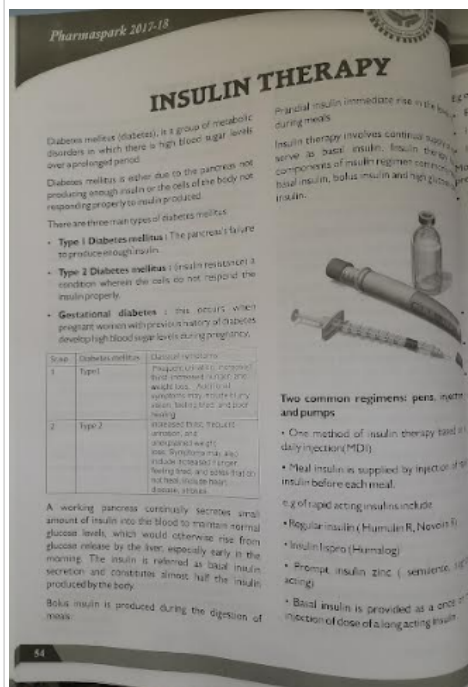
- 1) Prevent Waste: It is better to prevent waste than to treat or clean up waste after it has been created.
- 2) Atom Economy: Synthetic methods should be designed to maximize the incorporation of all materials used in the process into the final product.
- 3) Less Hazardous Chemical Synthesis: Whenever practicable, synthetic methods should be designed to use and generate substances that possess little or no toxicity to human health and the environment.
- 4) Designing Safer Chemicals: Chemical products should be designed to effect their desired function while minimizing toxicity.
- 5) Safer Solvents And Auxiliaries: The use of auxiliary substances (eg. Solvents, separation agents, etc.) should be made unnecessary whenever possible and innocuous when used.
- 6) Design For Energy Efficiency: Energy requirements should be recognized for their environmental and economic impacts and should be minimized. Synthetic methods should be conducted at ambient temperature and pressure.
- 7) Use Of Renewable Feedstocks: A raw material or feedstock should be renewable rather than depleting whenever technically and economically practicable.
- 8) Reduced Derivatives: Unnecessary derivatization should be avoided whenever possible.
- 9) Catalysis: Catalytic reagents are superior to stoichiometric reagents.
- 10) Design For Degradation: Chemical products should be designed so that at the end of their function, they breakdown into innocuous degradation products and do not persist in the environment.
- 11) Real Time Analysis For Pollution Prevention: Analytical methodologies need to be further developed to allow for real time in process monitoring and control prior to the formation of hazardous substances.
- 12) Inherently Safer Chemistry For Accident Prevention: Substances and the form of a substances used in a chemical process should be chosen to minimize the potential for chemical accidents, including releases, explosion and fires.

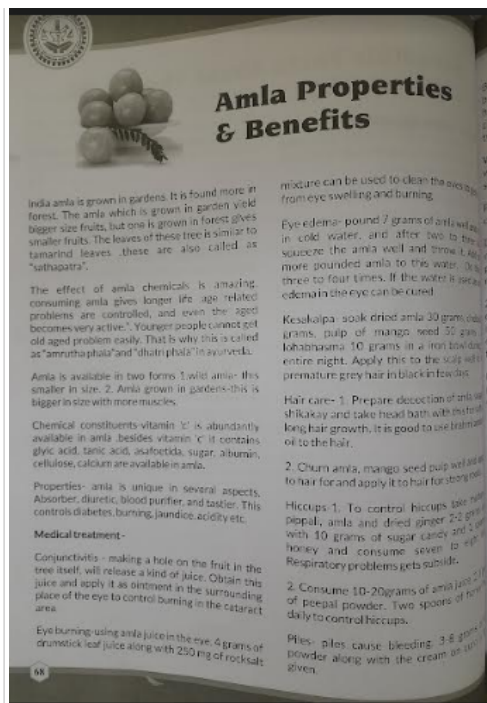
BENEFITS OF GREEN CHEMISTRY:

- Reduced waste treatment and disposal costs.
- Ability to capitalize on the environmental technology marketplace by designing new greener products.
- Business benefits of green chemistry include improved resource efficiency and lower raw material and utility bills.
- Improved health and safety for staff and customer.
- Lower levels of chemicals released to the environment.
- Cleaner production technologies.
- Reduced emission and product impacts.

THE BIGGEST CHALLENGE OF GREEN CHEMISTRY IS TO USE ITS RULES IN PRACTISE.

- Shefali Phadke
Second Year B.Pharm





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

Institute Marks : 10.00

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

SR. NO	NAME OF THE PARTICIPANT	EVENT / YEAR
1.	ANISHA NAIK	SCIENTIFIC PAPER PRESENTATION FOR 53 RD IHPA ANNUAL INTERNATIONAL CONFERENCE - 2018
2.	MRUNMAYEE NAIK	SCIENTIFIC PAPER PRESENTATION FOR 53 RD IHPA ANNUAL INTERNATIONAL CONFERENCE - 2018
3.	PORNIMA BORKAR	SCIENTIFIC PAPER PRESENTATION FOR 53 RD IHPA ANNUAL INTERNATIONAL CONFERENCE - 2018
4.	SHIVANI KUNKOLIKAR	2 ND PLACE IN POSTER COMPETITION FOR MAKING EQUALITY A REALITY ORGANIZED BY GOA UNIVERSITY'S DEPARTMENT OF WOMEN STUDIES - 2018
5.	AISHWARYA PARVATKAR	SCIENTIFIC PAPER PRESENTATION IN INTERNATIONAL CONFERENCE ON CURRENT RESEARCH AND INNOVATIONS IN HEALTH CARE SYSTEMS, GOA - SEPTEMBER 2019.

6.	PUNITA NAIK	SCIENTIFIC PAPER PRESENTATION IN INTERNATIONAL CONFERENCE ON CURRENT RESEARCH AND INNOVATIONS IN HEALTH CARE SYSTEMS, GOA – SEPTEMBER 2019.
7.	SWANNA DIAS	SCIENTIFIC PAPER PRESENTATION IN INTERNATIONAL CONFERENCE ON CURRENT RESEARCH AND INNOVATIONS IN HEALTH CARE SYSTEMS, GOA – SEPTEMBER 2019.
8.	ANKITA BHANGUI	SCIENTIFIC PAPER PRESENTATION IN INTERNATIONAL CONFERENCE ON CURRENT RESEARCH AND INNOVATIONS IN HEALTH CARE SYSTEMS, GOA – SEPTEMBER 2019.
9.	SHUBHAM JOSHI	SECURED THIRD PLACE FOR SCIENTIFIC PAPER PRESENTATION IN INTERNATIONAL CONFERENCE ON CURRENT RESEARCH AND INNOVATIONS IN HEALTH CARE SYSTEMS, GOA – SEPTEMBER 2019.
10.	SHIVANI KUNKOLIKAR	PARTICIPATED IN ALL INDIA PHARMACY QUIZ 2019, HELD BY COLLEGE OF PHARMACY MADRAS MEDICAL COLLEGE, CHENNAI
11.	HUZEFA UJJAINWALA	PARTICIPATED IN ALL INDIA PHARMACY QUIZ 2019, HELD BY COLLEGE OF PHARMACY MADRAS MEDICAL COLLEGE, CHENNAI
12.	GAGAN PRIOLKAR	PARTICIPATED IN ALL INDIA PHARMACY QUIZ 2019, HELD BY COLLEGE OF PHARMACY MADRAS MEDICAL COLLEGE, CHENNAI
13.	VAIDEHI NABAR	PARTICIPATED IN ALL INDIA PHARMACY QUIZ 2019, HELD BY COLLEGE OF PHARMACY MADRAS MEDICAL COLLEGE, CHENNAI
14.	VAISHNAVI KAPDI	PARTICIPATED IN ALL INDIA PHARMACY QUIZ 2019, HELD BY COLLEGE OF PHARMACY MADRAS MEDICAL COLLEGE, CHENNAI
15.	SHUBHAM JOSHI	PARTICIPATED IN ALL INDIA PHARMACY QUIZ 2019, HELD BY COLLEGE OF PHARMACY MADRAS MEDICAL COLLEGE, CHENNAI
16.	SURESH MANDORA	PARTICIPATED IN ALL INDIA PHARMACY QUIZ 2019, HELD BY COLLEGE OF PHARMACY MADRAS MEDICAL COLLEGE, CHENNAI
17.	SANELY PERRIERA	PARTICIPATED IN ALL INDIA PHARMACY QUIZ 2019, HELD BY COLLEGE OF PHARMACY MADRAS MEDICAL COLLEGE, CHENNAI
18.	SWETA PRABHU	PARTICIPATED IN ALL INDIA PHARMACY QUIZ 2019, HELD BY COLLEGE OF PHARMACY MADRAS MEDICAL COLLEGE, CHENNAI

19.	ANEKA SANGAVKAR	PARTICIPATED IN ALL INDIA PHARMACY QUIZ 2019, HELD BY COLLEGE OF PHARMACY MADRAS MEDICAL COLLEGE, CHENNAI
20.	SHYNA RODRIGUES	PARTICIPATED IN ALL INDIA PHARMACY QUIZ 2019, HELD BY COLLEGE OF PHARMACY MADRAS MEDICAL COLLEGE, CHENNAI
21.	RISHITA SINGH	PARTICIPATED IN ALL INDIA PHARMACY QUIZ 2019, HELD BY COLLEGE OF PHARMACY MADRAS MEDICAL COLLEGE, CHENNAI
22.	LARISSA GOMES	PARTICIPATED IN ALL INDIA PHARMACY QUIZ 2019, HELD BY COLLEGE OF PHARMACY MADRAS MEDICAL COLLEGE, CHENNAI
23.	SHRUSHTI CHOUGULE	PARTICIPATED IN ALL INDIA PHARMACY QUIZ 2019, HELD BY COLLEGE OF PHARMACY MADRAS MEDICAL COLLEGE, CHENNAI
24.	SANKET NAIK	PARTICIPATED IN ALL INDIA PHARMACY QUIZ 2019, HELD BY COLLEGE OF PHARMACY MADRAS MEDICAL COLLEGE, CHENNAI
25.	KRITUJA CHOUGULE	PARTICIPATED IN ALL INDIA PHARMACY QUIZ 2019, HELD BY COLLEGE OF PHARMACY MADRAS MEDICAL COLLEGE, CHENNAI
26.	MANALI BAKRE	PARTICIPATED IN ALL INDIA PHARMACY QUIZ 2019, HELD BY COLLEGE OF PHARMACY MADRAS MEDICAL COLLEGE, CHENNAI
27.	ZEESHAN FERNANDES	PARTICIPATED IN ALL INDIA PHARMACY QUIZ 2019, HELD BY COLLEGE OF PHARMACY MADRAS MEDICAL COLLEGE, CHENNAI
28.	MOULI TIRUKKOVALURI	PARTICIPATED IN ALL INDIA PHARMACY QUIZ 2019, HELD BY COLLEGE OF PHARMACY MADRAS MEDICAL COLLEGE, CHENNAI
29.	VISHWANI NAIK	PARTICIPATED IN ALL INDIA PHARMACY QUIZ 2019, HELD BY COLLEGE OF PHARMACY MADRAS MEDICAL COLLEGE, CHENNAI
30.	SAHILI NAIK	PARTICIPATED IN ALL INDIA PHARMACY QUIZ 2019, HELD BY COLLEGE OF PHARMACY MADRAS MEDICAL COLLEGE, CHENNAI
31.	TANVI NAIK	PARTICIPATED IN ALL INDIA PHARMACY QUIZ 2019, HELD BY COLLEGE OF PHARMACY MADRAS MEDICAL COLLEGE, CHENNAI
32.	CHINMAYI DHAWALIKAR	IPA PRIZE – HIGHEST MARKS – B.PHARM EXAMINATION – 2019
33.		CADILA HEALTH CARE PRIZE – HIGHEST MARKS B.PHARM, 2019

34.		SARASWATI RAMCHANDRA VAIDYA PRIZE FOR HIGHEST MARKS B.PHARM - 2019
35.	URJA NADKARNI	SARASWATI RAMCHANDRA VAIDYA PRIZE FOR HIGHEST MARKS IN DISPENSING FIRST B.PHARM - 2019
36.		IPA PRIZE FOR HIGHEST MARKS IN DISPENSING FIRST B.PHARM - 2019
37.	VIVEK NAIK	SCIENTIFIC PAPER PRESENTATION AT INTERNATIONAL CONFERENCE ON ADVANCE IN PHARMACEUTICAL AND HEALTH SCIENCES AT MANGALORE – 2020
38.	KRUTIKA KUDASKAR	PARTICIPATED AS DELEGATE AT INTERNATIONAL CONFERENCE ON ADVANCE IN PHARMACEUTICAL AND HEALTH SCIENCES AT MANGALORE – 2020
39.	SIDDHI MANERIKAR	PARTICIPATED AS DELEGATE AT INTERNATIONAL CONFERENCE ON ADVANCE IN PHARMACEUTICAL AND HEALTH SCIENCES AT MANGALORE – 2020

5 FACULTY INFORMATION AND CONTRIBUTIONS (175)

Total Marks 130.49

Name	PAN No.	University Degree	Date of Receiving Degree	Area of Specialization	Research Paper Publications	Ph.D Guidance	Faculty receiving Ph.D during the assessment year	Current Designation	Date (Designated as Prof/Assoc. Prof.).	Initial Date of Joining	Association Type	At present working with the Institution(Yes/No)	In case of NO, Date of Leaving	IS HOD?
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Dr. S.N. Mamledesai	ACXPM9637N	M.Pharm and Ph.D	26/03/2011	Pharmaceutical Chemistry	37	01	00	Professor	01/09/2011	01/09/2011	Regular	Yes		Yes
Dr. Celina Nazareth	ACSPD8003C	M.Pharm and Ph.D	05/05/2017	Pharmaceutical Chemistry	12	00	00	Associate Professor	14/07/2011	14/07/2008	Regular	Yes		No
Dr. Suwarna Bobde	AQIPB2517M	M.Pharm and Ph.D	19/11/2020	Pharmaceutics	05	00	00	Assistant Professor		06/08/2007	Regular	Yes		No
Dr. Leena Sawaikar	AUZPS1680F	M.Pharm and Ph.D	31/10/2020	Pharmaceutical Chemistry	05	00	00	Assistant Professor		16/07/2007	Regular	Yes		No
Dr. Swati Keny	BKBPS5081B	M.Pharm and Ph.D	05/01/2021	Pharmaceutics	04	00	00	Assistant Professor		14/07/2008	Regular	Yes		No
Mr. Pankaj Gajare	AHGGP4070P	M.Pharm	08/06/2009	Pharmaceutics	14	00	00	Assistant Professor		20/04/2010	Regular	Yes		No
Dr. Mangirish Deshpande	ARCPD7717N	M.Pharm and Ph.D	28/12/2020	Pharmacology	09	00	00	Assistant Professor		13/07/2010	Regular	Yes		No
Dr. Pearl Dighe	BICPP6665F	M.Pharm and Ph.D	19/11/2020	Pharmaceutics	06	00	00	Assistant Professor		14/09/2010	Regular	Yes		No
Ms. Soniya Phadte	AWUPN0492K	M.Pharm	18/09/2013	Pharmaceutical Chemistry	06	00	00	Assistant Professor		26/08/2014	Regular	Yes		No
Ms. Gauri Pai Angle	AWZPP9558K	M.Pharm	12/10/2012	Pharmacognosy	06	00	00	Assistant Professor		22/07/2013	Regular	Yes		No
Mr. Sandesh Narayan Somnache	FYUPS9882M	M.Pharm	24/07/2013	Pharmaceutics	12	00	00	Assistant Professor		09/11/2015	Regular	Yes		No
Ms. Arti S. Pednekar	CZNPDP7456B	M.Pharm	16/06/2015	Pharmaceutics	04	00	00	Assistant Professor		02/01/2016	Regular	Yes		No
Mrs. Saumya Vernekar	AHAPL4534B	M.Pharm	20/08/2014	Pharmaceutical Chemistry	02	00	00	Assistant Professor		17/08/2015	Regular	Yes		No
Miss Chaitali Prabhu Tendulker	CVDPP9871N	M.Pharm	28/08/2015	Pharmaceutical Chemistry	01	00	00	Assistant Professor		16/08/2018	Regular	Yes		No
Miss Kamakshi R.S. Kunkolienker	GGNPK4043Q	M.Pharm	20/09/2018	Pharmaceutics	01	00	00	Assistant Professor		24/10/2018	Regular	Yes		No
Dr Nilambari Gurav	AIOPD3429N	M.Pharm and Ph.D	16/05/2019	Pharmacognosy	13	00	00	Assistant Professor		16/09/2019	Regular	Yes		No
Miss Prachita Gauns Desai	BROP8577L	M.Pharm	02/10/2020	Pharmaceutical Chemistry	01	00	00	Assistant Professor		03/01/2022	Regular	Yes		No
Dr. Shilpa P. Bhilegaonkar	APUPB9612G	M.Pharm and Ph.D	09/08/2011	Pharmaceutics	21	00	00	Associate Professor	08/08/2016	03/08/2010	Regular	Yes		No

Dr.Ajeet M.Godbole	AHQPG9410K	M.Pharm and Ph.D	21/06/2011	Pharmaceutics	14	00	00	Professor	06/11/2014	06/11/2014	Regular	Yes		No
Ms. Ashwini Jadhav	AQEPJ0872F	M.Pharm	28/08/2015	Pharmaceutical Chemistry	00	00	00	Assistant Professor		17/09/2019	Regular	Yes		No
Mr. B.S.Biradar	BDJPB6003R	M.Pharm	31/03/2011	Pharmacology	13	00	00	Assistant Professor		16/01/2013	Regular	Yes		No
Ms Saavee Kamat	BVTPR2191C	M.Pharm	20/08/2014	Pharmaceutical Chemistry	00	00	00	Assistant Professor		20/08/2018	Regular	No	27/05/2021	No

5.1 Student-Faculty Ratio (SFR) (20)

Total Marks 12.00

Institute Marks : 12

UG

No. of UG Programs in the Department 1

Bachelor of Pharmacy						
Year of Study	CAY		CAYm1		CAYm2	
	(2021-22)		(2020-21)		(2019-20)	
	Sanction Intake	Actual admitted through lateral entry students	Sanction Intake	Actual admitted through lateral entry students	Sanction Intake	Actual admitted through lateral entry students
1st Year	100	0	100	0	75	0
2nd Year	100	11	75	7	60	5
3rd Year	75	7	60	5	60	7
4th Year	60	5	60	7	60	6
Sub-Total	335	23	295	19	280	18
Total	358		314		298	
Grand Total	358		314		298	

PG

No. of PG Programs in the Department 2

Master of Pharmacy (Pharmaceuticals)

Year of Study	CAY(2021-22)	CAYm1(2020-21)	CAYm2 (2019-20)
	Sanction Intake	Sanction Intake	Sanction Intake
1st Year	18	18	18
2nd Year	18	18	18
Total	36	36	36

Master of Pharmacy (Pharmaceutical Chemistry)

Year of Study	CAY(2021-22)	CAYm1(2020-21)	CAYm2 (2019-20)
	Sanction Intake	Sanction Intake	Sanction Intake
1st Year	18	18	18
2nd Year	18	18	18
Total	36	36	36

Grand Total	72	72	72
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SFR

No. of UG Programs in the Department 1

No. of PG Programs in the Department 2

Description	CAY(2021-22)		CAYm1 (2020-21)		CAYm2 (2019-20)	
Total No. of Students in the Department(S)	430	Sum total of all (UG+PG) students	386	Sum total of all (UG+PG) students	345	Sum total of all (UG+PG) students
No. of Faculty in the Department(F)	20	F1	21	F2	21	F3
Student Faculty Ratio(SFR)	21.50	SFR1=S1/F1	16.43	SFR2=S2/F2	18.38	SFR3=S3/F3
Average SFR	18.77	SFR=(SFR1+SFR2+SFR3)/3				

F=Total Number of Faculty Members in the Department (excluding first year faculty)

Note: 75% should be Regular/full time faculty and the remaining shall be Contractual Faculty/Adjust Faculty/Resource persons from industry as per AICTE norms and standards. The contractual faculty will be considered for assessment only if a faculty is drawing a salary as prescribed by the concerned State Government for the contractual faculty in the respective cadre.

5.1.1. Provide the information about the regular and contractual faculty as per the format mentioned below:

	Total number of regular faculty in the department	Total number of contractual faculty in the department
CAY(2021-22)	20	0
CAYm1(2020-21)	21	0
CAYm2(2019-20)	21	0

Average SFR for three assessment years : 18.77

Assessment SFR : 12

5.2 Faculty Cadre Proportion (20)

Total Marks 12.00

Institute Marks : 12.00

Year	Professors		Associate Professors		Assistant Professors	
	Required F1	Available	Required F2	Available	Required F3	Available
CAY(2021-22)	3.00	2.00	6.00	2.00	19.00	16.00
CAYm1(2020-21)	2.00	2.00	5.00	2.00	17.00	17.00
CAYm2(2019-20)	2.00	2.00	5.00	2.00	15.00	17.00
Average Numbers	2.33	2.00	5.33	2.00	17.00	16.67

Cadre Ratio Marks [(AF1 / RF1) + [(AF2 / RF2) * 0.6] + [(AF3 / RF3) * 0.4]] * 10 : 12.00

5.3 Faculty Qualification (20)

Total Marks 11.49

Institute Marks : 11.49

	X	Y	F	$FQ = 2.0 \times [(10X + 6Y) / F]$
2021-22(CAY)	10	10	28.00	11.43
2020-21(CAYm1)	9	11	25.00	12.48
2019-20(CAYm2)	5	11	22.00	10.55

Average Assessment : 11.49

5.4 Faculty Retention (20)

Total Marks 20.00

Institute Marks : 20.00

Description	2020-21	2021-22
No of Faculty Retained	21	20
Total No of Faculty	21	21
% of Faculty Retained	100	95

Average : 98.00

Assessment Marks : 20.00

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

Total Marks 15.00

Institute Marks : 15.00

ICT Teaching

- Faculty members use multimedia elements such as power point presentations to deliver lectures along with traditional methods of chalk board teaching.
- Use of audio visual techniques to teach concepts in subjects of anatomy physiology, pharmaceuticals has been implemented.
- Demonstration using models, charts, and innovative visual aids, simulated models and software are being practiced.
- Google classrooms for every class for sharing of notices, assignments, and notes were introduced, thereby making communication very prompt.
- Students are motivated to refer exhaustive literature by using e-books and e-journals.
- Software's like Chemdraw and Molegro virtual Dockers are used to elucidate structures in Chemistry using CADD.
- Software like Experimental Pharmacology series (Ex-pharm series) and Digi Frog are used for simulated experiments in pharmacology.
- The computer facility is made available to the faculty members as well as students for computer aided teaching and learning process.
- Our digital library is equipped with many e- journals, e-books, and made available to the students to help them develop the habit of self-learning and learning beyond syllabus. DELNET facility is provided to students for online searching of reputed national and international research articles.

Pilot plant laboratory/Central Instrumentation laboratory/Museum

- A lab scale pilot laboratory has been set up for understanding industrial processes like liquid, solid and semisolid manufacture; equipped with tablet compression, coating pan, lyophilizer and other with laboratory scale machines. Demonstrations of equipment's, as well as project work of students is carried out using these facilities.
- Instruments for analysing various dosage forms like dissolution testing, freeze drying techniques etc. are being demonstrated to the students for practical understanding.
- The central instrumentation laboratory is equipped with instruments for analysis like UV, IR and HPLC.
- Mini models of instruments and various other information regarding the history and development in the field of pharmacy is displayed in the museum to assist students in gaining better understanding of the concepts in the syllabus.

Seminars/Assignments

- Along with the formative examinations, teachers assign assignments to the students to evaluate their subject understanding in relation to theoretical and practical aspects.

Industrial Training

- One month practical training for the students of Third Year B.Pharm in various industries is conducted to get practical knowledge of the current on-going practices in the industry.

Guest Lectures

- Guest lectures by experts from respective fields along with industrial visits are arranged for students and faculty members to remain updated with the current status of the profession.

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

Total Marks 15.00

Institute Marks : 15.00

Name of the faculty	Max 5 Per Faculty		
	2021-22	2020-21	2019-20
Dr. S.N Mamledesai	0.00	0.00	0.00
Dr. Ajeet Godbole	3.00	5.00	3.00

Dr Celina Nazareth	3.00	5.00	5.00
Dr. Suwarna Bobde	5.00	5.00	5.00
Dr. Leena Sawaikar	5.00	5.00	5.00
Dr. Swati Keny	5.00	5.00	3.00
Dr. Shilpa Bhilegaonkar	3.00	3.00	5.00
Mr Pankaj Gajare	0.00	3.00	5.00
Dr. Mangirish Deshpande	5.00	5.00	5.00
Dr. Pearl Dighe	5.00	5.00	5.00
Mr B.S. Biradar	0.00	0.00	5.00
Ms. Gauri Pai Angle	5.00	5.00	5.00
Mrs Soniya Phadte	5.00	5.00	5.00
Mrs. Saumya Vernekar	5.00	5.00	5.00
Mr Sandesh Somnache	5.00	5.00	5.00
Ms Arti Pednekar	5.00	5.00	5.00
Ms. Chaitali S.P Tendulkar	3.00	5.00	0.00
Ms. Savee Kamat	0.00	0.00	0.00
Dr Nilambari Gurav	3.00	5.00	0.00
Ms. Ashwini Jadhav	3.00	5.00	0.00
Ms. Kamakshi Kuncoliencar	3.00	3.00	0.00
Ms.Prachita Gauns Desai	0.00	0.00	0.00
Sum	71.00	84.00	71.00
RF = Number of Faculty required to comply with 15:1 Student Faculty Ratioas per 5.1	28.67	25.73	23.00
Assessment [3*(Sum / 0.5RF)]	14.86	19.59	18.52

Average assessment over 3 years: 17.66

5.7 Research and Development (40)

Total Marks 20.00

5.7.1 Academic Research (10)

Institute Marks : 10.00

Research papers and books/book chapters published by the faculty members in the assessment years [6]**Publications by faculty members in the assessment years**

Sr. no	Name of faculty	Total number of publications in assessment years (2019-2022)	Total Citations till date
1	Dr. S.N Mamledesai	11	433
2	Dr. Ajeet Godbole	01	357
3	Dr Celina Nazareth	07	00
4	Dr. Suwarna Bobde	02	03
5	Dr. Leena Sawaikar	02	03
6	Dr. Swati Keny	02	02
7	Dr. Silpa Bhilegaonkar	01	94
8	Mr. Pankaj Gajare	01	127
9	Dr. Mangirish Deshpande	02	07
10	Dr. Pearl Dighe	03	04
11	Mr B.S. Biradar	05	
12	Ms. Gauri Pai Angle	02	14
13	Mrs. Soniya Phadte	04	13
14	Mrs. Saumya Vernekar	02	--
15	Mr. Sandesh Somnache	01	19
16	Ms. Arti Pednekar	01	21
17	Ms. Chaitali S.P Tendulkar	00	--
18	Ms. Savee Kamat	00	--
19	Dr. Nilambari Gurav	13	570
20	Ms. Ashwini Jadhav	00	--
21	Ms. Kamakshi Kuncoliencar	00	--
22	Ms.Prachita Gauns Desai	01	--
	Sum	61	--

Book / Book chapters published by the Faculty members

Title of Book/Book Chapter	Authors	Year Published	ISBN
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Book A systematic Approach to Practical Pharmaceutics	Prof Ajeet M. Godbole Mr Sandesh Somnache Ms Arti Pednekar Mr Pankaj Gajare	2019	81-8416-076-3
Book Ayurvedic Remedies for the diseases of microbial origin	Dr. Shilpa Bhilegaonkar	2022	978-81-956220-3-0
Book Chapter: Polymersomes for targeting to brain tumors in the book Nanocarriers for Drug-Targeting Brain Tumors	Dr. Suwarna Bobde	2022	978-0-323-90773-6
Book Chapter: Biomedical applications of nanocarriers in brain tumor targeting tumors in the book Nanocarriers for Drug-Targeting Brain Tumors	Dr. Pearl Dighe	2022	978-0-323-90773-6

Patents published/granted by Faculty members

Sr. No	Patent	Author	Date of Grant
1	Indian Patent Composition and formulation of coating material Comprising Elusine Corcana for pharmaceutical use	Dr. Shilpa Bhilegaonkar	20/11/2020
2	Indian Patent Cefixime liquid formulation and preparation method thereof	Dr. Shilpa Bhilegaonkar	30/12/2020

Ph.D. guided /Ph.D. awarded during the assessment period while working in the institute (4).

Faculty members awarded with Ph.D Degree in the assessment years

Sr. No.	Faculty name	Year of Award	Title of the thesis	University
1.	Dr. Leena Sawaikar	November 2020	Development and validation of stability indicating HPLC method for the estimation of some combination of antidiabetic and antihypertensive drugs in their dosage form.	R K university, Gujrat
2.	Dr. Suwarna Bobde	November 2020	Studies On Design, Development And Evaluation of Mouth Dissolving Film Of Anti Emetic Drug	R K university, Gujrat
3.	Dr. Pearl Dighe	November 2020	Design And Evaluation of Bilayer Tablets of Fixed Dose Combinations for Management of Hypertension	R K university, Gujrat

4.	Dr.Mangirish Deshpande	December 2020	Phytopharmacological investigation of <i>Phyllanthus urinaria</i> and <i>Adiantum lunulatum</i> in peptic ulcer disease	R K university, Gujrat
5.	Dr. Swati Keny	January 2021	Formulation and Development of Occuserts for Quinolone antibiotic with corticosteroids	R K university, Gujrat

Ph.D. Guided /Ph.D. Awarded/On-going Ph.D Candidates during the assessment period while working in the institute

Sr. No.	Faculty name	Number of on-going candidates	Details
1.	Dr. S. N. Mamle Desai	02 candidates as Co-guide	1. Ms. Soniya Phadte (pursuing from SRM, University, Chennai Tamil Nadu) 2. Ms. Arti Pednekar (pursuing from SRM, University, Chennai Tamil Nadu)

5.7.2 Sponsored Research (10)

Institute Marks : 0

2021-22

Project Title	Duration	Funding Agency	Amount (in Rupees)
-	-	-	0.00
			Total Amount(X): 0.00

2020-21

Project Title	Duration	Funding Agency	Amount (in Rupees)
Development and optimisation of release modulated novel oral liquid dosage form of enzyme supplements for geriatrics	1 year	Department of Science and Technology; Waste Management, Government of Goa under "Scheme for Researchers in the field of Science and Technology and for Projects of Students as part of academic curriculum.	168000.00
			Total Amount(Y): 168000.00

2019-20

Project Title	Duration	Funding Agency	Amount (in Rupees)
-	-	-	0.00
			Total Amount(Z): 0.00

Cumulative Amount(X + Y + Z) = 168000.00

5.7.3 Consultancy (from Industry) (10)

Institute Marks : 0

2021-22

Project Title	Duration	Funding Agency	Amount (in Rupees)
Memory Enhancing Activity	1 year	Amsar Ltd	38000.00
Development of nanosponge formulations	1 year	Urjayu Life Sciences	50000.00
Development of herbal spray	1 year	Urjayu Life Sciences	50000.00
Development of liposomal formulation	1 year	Urjayu Life Sciences	50000.00
			Total Amount(X): 188000.00

2020-21

Project Title	Duration	Funding Agency	Amount (in Rupees)
Skin cancer activity	1 year	Amsar Ltd.	60000.00
			Total Amount(Y): 60000.00

2019-20

Project Title	Duration	Funding Agency	Amount (in Rupees)
Scientific writing	3 year	Zim Laboratories	10000.00
			Total Amount(Z): 10000.00

Cumulative Amount(X + Y + Z) = 258000.00

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

Institute Marks : 5.00

Sr. No	Year	Name of the Faculty	Title of project	Consulting/ Sponsoring agency
01	2021	Dr. Shilpa Bhilegaonkar	Development and scale up of Polyherbal formulations	Amsar Ltd.

5.7.5 Development activities (5)

Institute Marks : 5.00

Product Development

Our institute has collaborated through a MoU with industries namely VERGO Pharma Ltd. and AMSAR Pvt. Ltd. to promote research activities for faculty members and students.

In association with Amsar Ltd. and Urjaya Life Sciences, the institute has developed several formulations; some of which have been listed below:

Development of nanosponge formulations

Development of herbal spray

Development of liposomal formulations

Research laboratories

- **Central Instrumental Facility**

The institute has a central instrumentation facility meant for faculty and students. This laboratory is equipped with high- performance liquid chromatograph (HPLC), UV Spectrophotometer, Fourier Transform Infra-Red Spectrometer (FTIR), etc.

- **Animal House**

The institute has an animal house facility that abides by CPCSEA guidelines and is regulated by IAEC – No. 1659/PO/Re/S/12/CPCSEA dated 31/10/2012, inspected and renewed from 17/02/2021 to 16/02/2026. The animal house is completely air-conditioned and hosts laboratory animals like rat and mice. Various pharmacological activities are carried out in the animal house.

- **Pilot Plant**

The pilot plant has been designed to acquaint the students with a practical experience of the Pharma industries. The Pilot plant is divided into solid, liquid and semisolid manufacturing areas equipped with machinery like tablet compression machine, coating machine, freeze drier, all-purpose-equipment, etc. It also has a testing area equipped with UV spectrophotometer, dissolution apparatus and other instruments.

- **Department Level Research Lab**

The post graduate departments of Pharmaceutics and Pharmaceutical Chemistry have specialized research laboratories for PG students, equipped with sophisticated equipment like dissolution apparatus, Sieve shaker, pH meter, cold centrifuge, autoclave, friability apparatus, tray drier, stability chamber, orbital Shaker, incubator, microscopes, etc.

Instruction Materials

The students are provided instructional materials through various sources. With the arrival of a covid era and a transition to an online education system, providing the right study material to students for understanding of concepts covered during online classroom teaching was the need of the hour. Digital notes in the form of e books, power point presentations are provided to students. The students are provided with printed journals which are used by them as easy instruction materials. The students are provided with laboratory manuals to prepare themselves for the experiments in advance.

Working models/charts/monograms

Informative charts prepared by the students under the guidance of teaching staff members are displayed in the laboratories to assist them in understanding and remembering the concepts. Students of our college actively participate in various social awareness programs such as health camps, blood donation programs etc.

Mini models of instruments prepared by the students and various other information regarding the history and development in the field of pharmacy is displayed in the museum to assist students in the understanding and remembering the concepts in the syllabus.

5.8**Faculty Performance Appraisal and Development System (FPADS)**

Total Marks 20.00

(20)

Institute Marks : 20.00

Performance based Self-Appraisal is essential for evaluation and motivational progress. The faculty is assessed annually by the Self-Appraisal method and a Student Feedback System. The analysis is conducted based on results, number of seminars, conferences and QIPs attended, contribution to the college and community, books, papers and patents published, and student feedback which is confidentially done and duly communicated at personal level by the Principal to the teacher. Faculty participation in continuing education programs, various national and international conferences, sponsored registration and workshops is encouraged. This appraisal system has given way for further enhancement and up-gradation of their skills and knowledge.

The faculty members fill and submit an appraisal form every academic year end as per the proforma given below

P. E. S. RAJARAM AND TARARAJ BANDEKAR COLLEGE OF PHARMACY
FARMAGUDI, PONDA, GOA.

SELF-APPRAISAL OF TEACHING FACULTY
(The details are required for academic year 2020-2021)

(Please attach separate sheets if necessary; include more rows in the tables as per the need)

1. PERSONAL INFORMATION

1. Name	
2. Designation	
3. Qualification	
4. Area of Specialization	
5. Working Experience	

2. CURRICULUM ACTIVITIES

A. DETAILS OF LECTURES TAKEN AND PRACTICALS CONDUCTED FOR THE ACADEMIC YEAR 2020-2021

Sr No	Programme	Semester	Subject/Course	Total No of Lectures Allotted	Total No of Lectures Conducted	Total No of Practicals Allotted	Total No of Practicals Conducted
Odd Semester							
1.							
Even semester							
1.							

3. CO-CURRICULUM ACTIVITIES

A. DETAILS OF PARTICIPATION IN THE EXAMINATION DUTIES IN THE ACADEMIC YEAR 2020-2021

Number of Supervision in University Examination	
Number of Supervision in Internal Examination	
Expert Duty in University Practical Examination	
Examinership in University Examination	

B. DETAILS OF WORK CONDUCTED AS THE PART OF THE COMMITTEES IN THE ACADEMIC YEAR 2020-2021

Sr.No	Name of the committee	Responsibilities	Remarks
1.			

(Please prepare the table for your committee or enter the information in this section best suited to your convenience)

C. DETAILS OF CO-ORDINATION IN DIFFERENT EVENTS IN THE ACADEMIC YEAR 2020-2021

Sr.No	Details of Events
1.	

4. EXTRACURRICULUM ACTIVITIES

A. DETAILS OF ADDITIONAL TRAINING / FACULTY IMPROVEMENT / FURTHER STUDY UNDERGONE IN THE ACADEMIC YEAR 2020-2021

Period	Name of Programme	Organized by
From To		

5. RESEARCH WORK

A. DETAILS OF PARTICIPATION IN SEMINARS/ CONFERENCES IN THE ACADEMIC YEAR 2020-2021

Sr.No	Date	Name of the Seminar/conference	Organized by
	From To		

B. DETAILS OF RESEARCH ARTICLES AND REVIEW ARTICLES PUBLISHED IN THE ACADEMIC YEAR 2020-2021

Sr.No	Title of the article	Details of the Journal

C. DETAILS OF BOOKS PUBLISHED IN THE ACADEMIC YEAR 2020-2021

Sr No	Title of the Book	Name of the Publisher	Date of publication	ISSN/ISBN No. of Book

D. DETAILS OF CHAPTERS PUBLISHED IN BOOKS IN THE ACADEMIC YEAR 2020-2021

Sr No	Title of the Book	Title of the Chapter	Name of the Publisher	Date of publication	ISSN/ISBN No. of Book

6. OTHER ACHIEVEMENTS

A. DETAILS OF AWARDS RECEIVED IN THE ACADEMIC YEAR 2020-2021

Sr.No	Title of the Award	Date of receiving

B. DETAILS OF ADDITIONAL RECOGNITIONS RECEIVED IN THE ACADEMIC YEAR 2020-2021

Sr.No	Title of the Recognition	Date of receiving

C. ANY ADDITIONAL DETAILS THE TEACHER WISH TO ADD IN THE ACADEMIC YEAR 2020-2021

1. _____

7. SWOT ANALYSIS

S (Strengths)	-
W (Weaknesses)	
O (Opportunities)	
T (Threats)	

Name and Signature of the Teacher

Faculty members who have accomplished Ph.D. are provided with additional increments and are mentioned in Table below and proforma for the same provided below.

Faculty receiving additional Ph.D. increments in the assessment years

Sr. no	Faculty Name	Year of award of Ph.D
1	Dr. Leena Sawaikar	2020
2	Dr. Suwarna Bobde	2020
3	Dr. Pearl Dighe	2020
4	Dr. Mangirish Deshpande	2020
5	Dr. Swati Keny	2021

Proforma for Faculty receiving additional Ph.D. increments in the assessment years**SA-19 (viii) Incentives for Ph.D/ M. Phil and other higher qualification to take effect from 01/09/2008:**

- (i) Five non-compounded advance increments shall be admissible at the entry level of recruitment as Assistant Professor to persons possessing the degree of Ph.D. awarded in the relevant discipline by a University following the process of admission, registration, coursework and external evaluation as prescribed by the UGC.
- (ii) M. Phil degree holders at the time of recruitment to the post of Assistant Professor shall be entitled to two non-compounded advance increments.
- (iii) Those possessing Post Graduate degree in a professional course such as LL.M./M. Tech / M. Arch/ M.E./M.V.Sc./ M.D., recognized by the relevant Statutory Body/Council, shall also be entitled to two non-compounded advance increments at the entry level.
- (iv) (a) Teachers who complete their Ph.D. degree while in service shall be entitled to three non-compounded increments if such Ph.D. is in a relevant discipline and has been awarded by a University complying with the process prescribed by the UGC

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for enrolment, such as course-work and evaluation.

- (iv) (b) However, teachers in service who have been awarded Ph.D. at the time of coming into force of these regulations, or having been enrolled for Ph.D. have already undergone course-work, if any, as well as evaluation, and only notification in regard to the award of Ph.D. is awaited, shall also be entitled to the award of three non-compounded increments even if the University awarding such Ph.D. has not yet been notified by the UGC as having complied with the process prescribed by the Commission.

5.9 Visiting/Adjunct Faculty (5)

Total Marks 5.00

Institute Marks : 5.00

List of visiting faculty in assessment years

Name of Faculty	Specialization	Designation
Mr. Rajendra Naik	M.Pharm. Pharmaceutical Chemistry	Ex Deputy Director, FDA - Goa
Mr. S. S. Revankar	B.E.	Ex. Lecturer, Government Polytechnic College, Panaji
Miss. Chaitanya Sawkar	M.Sc. Mathematics	Lecturer, PES College of Arts and Science

Assessment year 2019-20 interactions by visiting faculty

Class	Semester	Subject	Name of Visiting Faculty	No. of Interactions (h)
Third Year B.Pharm	V	Pharmaceutics V (Quality Assurance and regulatory affairs)	Mr. Rajendra Naik	23
First Year M.Pharm	I	Regulatory affairs	Mr. Rajendra Naik	20
Third Year B.Pharm	VI	Pharmaceutical Jurisprudence	Mr. Rajendra Naik	23
Third Year B.Pharm	V	Pharmaceutical Engineering I	Mr. S S Revankar	45
Third Year B.Pharm	VI	Pharmaceutical Engineering II	Mr. S S Revankar	45
			Total	156

Assessment year 2020-21 interactions by visiting faculty

Class	Semester	Subject	Name of Visiting Faculty	No. of Interactions
Third Year B.Pharm	V	Pharmaceutical Jurisprudence	Mr. Rajendra Naik	25
First Year M.Pharm	I	Regulatory affairs	Mr. Rajendra Naik	20
Third Year B.Pharm	VI	Pharmaceutical Quality Assurance	Mr. Rajendra Naik	25

			Total	70
Assessment year 2021-22 interactions by visiting faculty				
Class	Semester	Subject	Name of Visiting Faculty	No. of Interactions
Third Year B.Pharm	V	Pharmaceutical Jurisprudence	Mr. Rajendra Naik	23
First Year M.Pharm	I	Regulatory affairs	Mr. Rajendra Naik	20
Third Year B.Pharm	VI	Pharmaceutical Quality Assurance	Mr. Rajendra Naik	23
Final Year .Pharm	VIII	Research methodology and Biostatistics	Miss. Chaitanya Sawkar	18
			Total	84

6 FACILITIES (120)

Total Marks 120.00

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

Total Marks 20.00

Institute Marks : 20.00

The college has adequate number of lecture rooms and tutorial rooms for conduct of theory classes and tutorials for students of B. Pharm. programme as per the requirements of statutory bodies ie PCI and AICTE.

Statutory bodies	No of Classrooms Required	No of Classrooms available	Area requirement in sq. mts	Area available in sq mts.
AICTE	04	04	66	S20 and S21: 134 S3and S4: 103
PCI	04	04	90 each (Desirable) 75 each (Essential)	S20 and S21: 134 S3 and S4: 103

- Class rooms are equipped with LCD facility, podium, uninterrupted power supply and internet facility along with traditional teaching tools such as blackboard, whiteboards, over head projectors etc.
- Separate auditorium having capacity of more than 300 peoples for seminars, guest lectures and workshops. Auditorium is air conditioned and is equipped with a sound system, projectors, internet facility. Two separate green rooms are attached with auditorium.

6.2 Faculty rooms (10)

Total Marks 10.00

College has

Well-furnished faculty rooms and cabins.

Provided internet facility to the Faculty members



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

Total Marks 60.00

Institute Marks : 60.00

The college has well equipped, ventilated, and sufficiently lighted laboratories having adequate safety facilities as per the requirements of statutory bodies. College laboratories are attached with Preparation Room and Faculty Cabins.

A separate computer laboratory with internet connection is available as a computing facility for the students of undergraduate and post graduate level.

Sr. No.	Instrument/ Equipment	Make And Model	SOP	Log Book
01	Double Beam UV-Vis Spectrophotometer	<ul style="list-style-type: none"> Shimadzu UV 1800 	CIR-01-19	01
02	HPLC	<ul style="list-style-type: none"> Cyberlab LC-100 	CIR-02-19	02
03	Spectroflurometer	<ul style="list-style-type: none"> Elico SL 174 	CIR-03-19	03
04	Fourier Transform Infrared Spectrophotometer	<ul style="list-style-type: none"> Shimadzu IR Affinity-1 	CIR-04-19	04
05	Conductivity Meter	<ul style="list-style-type: none"> Elico CM-180 	CIR-05-19	common
06	Conductivity Meter	<ul style="list-style-type: none"> Equiptronics EQ 660A 	CIR-06-19	common
07	pH Meter	<ul style="list-style-type: none"> Elico LI 120 	CIR-07-19	common

08	Karl Fischer	<ul style="list-style-type: none"> Analab Scientific Aquacal 	CIR-08-19	common
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Central Instrument Room

Sr. No.	Instrument/ Equipment	Make and model	SOP	Log book
1	Double Pan balance	Philips pan balance Mach no:- 3013 Type:-6	2.1	Yes
2	UV-Visible Spectrophotometer	Model:- UV-1800 240V Shimadzu Corporation	3.1	Yes
3	I.R Moisture Balance	Model:- RSMA -2 Rajdhani Scientific Instruments.co.	3.2	Yes
4	pH meter	ELICO LI 120	3.3	Yes
5	Brookefield's Viscometer	Model:-LVT Serial Number 8494299 Brookfield Engineering Laboratories	3.4	Yes
6	Tap density Apparatus	Model:- TDA-2 Campbell Electronics	3.5	Yes
7	Hardness Tester	Monsantos	3.6	Yes

8	Vernier calliper	Yamayo	3.7	Yes
9	Electrical balance	BSA822 Sartorius	3.8	Yes
10	Friability Test Apparatus	Meta-Lab Scientific Industries Model:- MSI-46	3.9	Yes
11	Disintegration Test Apparatus	DBK Instruments Type:- 40TDA-O2	3.10	Yes
12	Dissolution apparatus	DBK Instruments Type:- 40DR7	3.11	Yes
13	Ball mill		4.1	Yes
14	Capsule filling machine		4.2	Yes
15	Hot air oven	Pathak Electrical Works CAT. NO:- 180BSS SR. NO:-441	4.3	Yes
16	All Purpose Equipment	Orchid scientifics Model:- AP-01 plus	4.4	Yes
17	Sieve Shaker		4.5	Yes
18	Tablet compression Machine	Karnavati Enginnering Ltd Rimek Mini -II MT	4.6	Yes
19	Tablet Coating pan		4.7	Yes
20	Steam bath	Meta-Lab Scientific Industries Model:- MSI-17B	5.1	Yes
21	Mechanical lab stirrer	Bio-lab Instruments Type:- BL231A	5.2	Yes
22	pH meter	ELICO LI 120	5.3	Yes
23	Magnetic Stirrer with hot plate		5.4	Yes
24	Rotary Evaporator	IKA Model:- RV 10 D S96	5.5	Yes
25	Micro Centrifuge	Eltek laboratory Euipment SR.No. DGC 99 CAT NO.TC 450 D MOTOR S.NO. DG M 178	5.6	Yes
26	Orbital Shaker		5.7	Available

27	Christ Freeze Dryer	Labmate (Asia) Pvt Ltd CHRIST Alpha 1-2 LD Plus	5.8	Available
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Machine room

Lab Description	BatchSize	Availability of manuals	Quality of Instrument	Safty Measures	Remarks
G3 Pharmaceutics I	30	yes	State of the Art	Fire extinguisher First aid kits	As per requirement
G4 Pharmaceutics II	30	yes	State of the Art	Fire extinguisher First aid kits	As per requirement
G10 Pharmaceutical Chemistry I	30	yes	State of the Art	Fume cupboard First aid kits Safe	As per requirement
G11 Pharmaceutical Chemistry II	30	yes	State of the Art	Fume cupboard First aid kits Safe	As per requirement
G16 Animal House	15	yes	State of the Art	Fire extinguisher First aid kits	As per requirement

G17 Pharmacology I	30	yes	State of the Art	Fire extinguisher First aid kits	As per requirement
G18 Pharmacology II	30	yes	State of the Art	Fire extinguisher First aid kits Glov	As per requirement
F 1 Pharmacognosy	30	yes	State of the Art	Fire extinguisher First aid kits	As per requirement
F 2 M.Pharm Pharmaceutical Chemistry	30	yes	State of the Art	Fume cupboard First aid kits Safe	As per requirement
F 3 Pharmaceutical Analysis	30	yes	State of the Art	First aid kits Safety goggles Fire e	As per requiremen
F4 Central Instrument Room	15	yes	State of the Art	First aid kits Safety goggles Fire e	As per requirement
F9 M. Pharm Pharmaceutics Lab II	15	yes	State of the Art	First aid kits Fire extinguisher	As per requirement
F 10 Pharmaceutics Lab III	15	yes	State of the Art	First aid kits Fire extinguisher	As per requirement
F 15 Machine Room	15	yes	State of the Art	First aid kits Fire extinguisher	As per requirement
F 16 Microbiology Lab	30	yes	State of the Art	First aid kits Fire extinguisher, nos	As per the requirement
F 17 M. Pharm Pharmaceutics Lab I	15	yes	State of the Art	First aid kits Fire extinguisher	As per the requirement
F 18 M. Pharm Pharmaceutical Chemistry	15	yes	State of the Art	First aid kits Fire extinguisher	Fume cupboard First aid kits Safety goggles Gloves

6.4 Drug Museum (5)

Total Marks 5.00

Institute Marks : 5.00

A dedicated museum for drugs from natural origin has been constructed on first floor. A second museum is constructed at the second floor of institute for display of various pharmaceutical models and information on various aspects of pharmacy including history. Marketed drug formulations of solid, liquid and semisolid dosage forms, along with cosmeceuticals are also displayed in the museum. A trophy house /museum have been constructed on the ground floor for the display of curricular, extracurricular and co-curricular achievements of the students and staffs.

Sr.No	Name	Sr.No	Name
1	Ashwangandha Root	1	Eucalyptus Powder
2	Benzoin	2	Amla Powder
3	Pale Catechu	3	Pale Catechu Powder
4	Gaduchi	4	Gaduchi Powder
5	Arjuna Bark	5	Arjuna Bark Powder
6	Black Catechu	6	Black Catechu Powder

7	Rauwolfia root	7	Rauwolfia root Powder
8	Cinnamon Bark	8	Cinnamon Bark Powder
9	Clove bud	9	Ginger Powder
10	Brahmi leaves	10	Brahmi leaves Powder
11	Ephedra	11	Ephedra Powder
12	Acacia Root	12	Acacia Powder
13	Kurchi Bark	13	Kuchi Bark Powder
14	Liquorice Root	14	Liquorice Powder
15	Shankhpashpi	15	Shankhpashpi Powder
16	Quassia wood	16	Quassia wood Powder
17	Kalmegh	17	Kalmegh Powder
18	Cascara Bark	18	Cascara Bark Powder
19	Nux- Vomica seed	19	Nux- Vomica seed Powder
20	Kantakari	20	Capsicum Powder
21	Colophony crude	21	Starch Potato
22	Gokhru	22	Lemon peel powder
23	Cinchona Bark	23	Cinchona Bark Powder
24	Myrrh	24	Gum Tragacanth powder
		25	Datura leaves Powder
		26	Punarnava Powder
		27	Hibiscus Powder
		28	Rhubarb Powder

Pharmacognosy museum

Sr. No.	Title
I	CHARTS ON HISTORY OF MEDICINE/PHARMACY IN INDIA
1	Ancient System of Medicine in India
2	Ancient System of Medicine over the world
3	Ancient System of treatment
4	Development in pharmacy Profession
5	Contributors to Pharmacy profession
6	Indian Contributor to pharmacy Profession
7	Development of major chemotherapeutic Agents
8	Indian Pharmacopoeia
II	AYURVEDIC FORMULATIONS

9	Triphala Churna
10	Arogyavardhini Vati
11	Zandu Mugdha Rasa
12	Tribhuvan keerti
13	ZSaroop lepa
14	Deers Sat-isabgol
15	Dukh Daba -lep
16	Dabur chyawanprash
17	Sandu punarnavasava
18	Metromax - AM 50
19	Aerolife Spacer
20	kantha Sudharak vali
III	MEDICAL DEVICES
21	Duolin
22	Hansaplast
23	Accu-chek 25 lancets
24	Caldikind
25	Test Medium Flex Pen
26	Diclofenac Transdermal Patch
27	asthalin inhaler
28	duolin respules
29	Evohaler
30	Dispensing balance
31	BP Apparatus
IV	BABY COSMETICS
32	Baby top to toe wash
33	Baby oil
34	Baby Shampoo
35	Baby Powder
36	Baby Cream
37	Baby Soap
38	Baby diaper rash Cream
39	Lip balm

40	Baby lotion
V	COSMETICS
41	Fair and lovely
42	Lipstick
43	Anti Dandruff Shampoo
44	Astringent
45	Vaseline
46	Keo karpin oil
47	Ponds Talcum powder
48	Pond's cold cream
49	Nivea Man face wash
50	Old spice lotion
51	Fair and Handsome
52	Gillette foam
53	Cologne talc
54	Hide the Blemish
55	Compact
56	Eyeliners
57	Lipstick
58	Bleach cream
VI	MODELS
59	Gas Chromatography Model
60	UV Spectrophotometer Model
61	Analytical Balance
62	Stage of Column chromatography
63	Differential Thermal Analysis
64	Radioimmunoassay (RIA)
VII	SOME COMMON INSTRUMENTS AND APPARATUS
65	Mortar and Pestle
66	pH meter
67	Nessler cylinder for limit test of Impurities
68	Crucibles
69	HPLC Syringe

70	Glass filters
71	Cuvettes
72	Buffer Capsules
73	Conical flask
74	Volumetric flask
75	LOD bottles
76	Funnel
77	Measuring cylinder
78	Pipettes
79	HPLC Guard Column
80	HPLC Auto Sampler Vials
81	HPLC Column
82	Arsenic limit test Apparatus
83	Spray bottle
84	Precoated TLC plate
85	GC Vials
VIII	DIFFERENT FOMULATIONS
86	Dilogel
87	Glycerin Suppositories.
88	Skin Ointment
89	Ducky Ear de toilette
90	Index
91	Gelusil
92	Tus Q-D for dry Cough
93	Nutrolin -B Syrup
94	Cureon
95	Cyclopam
96	Arnopen
97	Soframycin
98	Nasiyion
99	Chloromycetin ear drops
100	Ciprofloxacin Eye drops
101	Orni-O

102	Syringe
103	Glycerin & NaCl Enema
104	Paracetamol injection
105	ENO
106	ORS
107	Evion Capsules.
IX	PLANT PRODUCTS
108	Mustard Seed black
109	Cardamom
110	Gum Ghatti
111	Tragacanth
112	karaya Gum
113	Nux Vomica Seed
114	Pilocarpus
115	Galls
116	Quassia Wood
117	Mayro Balan
118	Squill
119	Acacia twig
120	Black Pepper
121	Isabgola
122	Ipecac plant
X	ANATOMY MODELS
123	Human brain
124	Human liver
125	Human heart
126	Human ear
127	Human eye
128	Dissection box
129	Pectoral Girdle
130	Lower limb
131	Vertebral Column
XI	TOXICOLOGICAL PRODUCTS

132	Mc Dowells No.1
133	Four Square
134	Gold Flake
135	Gold flake Kings

Pharmacy museum

6.5 Medicinal Plant Garden (5)

Total Marks 5.00

(Area, demarcation, temporary/permanent arrangement, planting of plants under the shade in demarcated areas, adequacy of the plants)

(5)

The College has a well-maintained Medicinal Plant Garden (Aushadhsanjivane). It has hundreds of different varieties of medicinal plants tagged with their biological nomenclature. The medicinal plants garden is unique in that almost every one of the species of plants and herb with a long history of use in folk tradition. Details Area: Demarcation: In the college campus Arrangement: Permanent as per the requirement of light and soil for growth of plant Adequacy of the plants: As per the requirement of curriculum

	Botanical Name	Common name	Family	Uses
1	<i>Delonix regia</i>	Gulmohar, Flame tree	Caesalpiniaceae	anti-inflammatory, antimalarial, antimicrobial, antioxidant, cardio- protective, gastro-protective, and wound healing agent, antidiabetic
2	<i>Albizia chinensis</i>	Rain tree	Mimosoideae	Used for anxiety, depression, sore throat
3	<i>Acacia auriculiformis</i>	Siran	Fabaceae	Antimalarial, hepatoprotective
4	<i>Spathodia campanulata</i>	Rugtoora	Bignomaceae	used to treat malaria, HIV, diabetes mellitus, dysentery, ulcers, wounds, fever. a liver tonic and as a poison antidote
5	<i>Cassia fistula Linn.</i>	Amalatas	Caesalpiniaceae	Purgative, used for cure of joint pain, migraine, dysentery etc.
6	<i>Mangifera indica</i>	Mango/ Amba	Anacardiaceae	Edible fruit, nutritive, used as a diuretic, dentifrice, antiseptic, astringent, diaphoretic, hepatoprotective, stomachic, vermifuge, laxative
7	<i>Alstonia scholaris R.Br.</i>	Saptaparna /Saptaparni	Apocynaceae	To treat fevers, chronic diarrhoea, dysentery, ulcers, rheumatic pains, cancer, malarial infection
8	<i>Azadirachta indica A.Juss</i>	Neem	Meliaceae	Antimicrobial, in treating leprosy, eye disorders, bloody nose, intestinal worms, stomach upset, loss of appetite, skin ulcers
9	<i>Ficus religiosa Linn.</i>	Asvatta/Pipal	Moraceae	Used for treatment of cough, skin diseases, nausea, vomiting, diarrhoea
10	<i>Peltophorum pterocarpum</i>	Kondachinta	Caesalpiniaceae	Used in case of eye diseases, muscular pain
11	<i>Plumeria rubra</i> Linn.var.acutifolia	Gobur champa	Apocyanaceae	Anti-inflammatory, hepatoprotective, antifertility agent
12	<i>Allamanda cathartica Linn</i>	Jahari sontakka	Apocyanaceae	Use to treat liver tumors, jaundice, splenomegaly, and malaria.
13	<i>Terminalla cattapa Linn.</i>	Jangali Badam	Combretaceae	Used for treatment of inflammation diseases, wound healing, allergies, skin related problems, asthma, ulcer, cardiovascular diseases, diarrhoea
14	<i>Careya arborea Roxb.</i>	Kumbhi tree	Cariaceae	Used for treatment of ulcer, cough, eruptions in the skin, wound and promotes digestion

15	<i>Duranta plumieri</i> Jacq. <i>D. repens</i> Linn	Golden Dew Drop Pigeon Berry	Verbenaceae	antimicrobial, antioxidant, and insecticide
16	<i>Lantana camera</i> Linn	Chadurang	Verbenaceae	It is an antimicrobial, fungicidal and insecticidal, used in case of leprosy, ulcers, cancer, asthma
17	<i>Salvia officinalis</i> Linn	Sage, Garden Sage	Labiatae	Used for the treatment of different kinds of disorders including seizure, ulcers, gout, rheumatism, inflammation, dizziness, tremor, paralysis, diarrhoea, and hyperglycaemia.
18	<i>Bauhinia purpurea</i> Linn	Khairwal, purple orchid tree	Caesalpiniaceae	Used in case of goiter, glandular swellings, skin diseases, ulcers, diarrhoea, stomach tumors and wounds
19	<i>Hibiscus rosinensis</i>	Jaswandi	Malvaceae	Used for treating wounds, inflammation, fever and coughs, diabetes, infections caused by bacteria and fungi, hair loss, and gastric ulcers
20	<i>Codium variegatum</i>	Kodiho/Croton	Euphorbiaceae	Tonic, purgative, febrifuge
21	<i>Tabernaemontana coronaria</i> R. Br.	Anant	Apocyanaceae	It has traditional folklore medicinal benefits such as an antiepileptic, anti-mania, brain tonic, and anti-oxidant
22	<i>Achras sapota</i> Linn.	Chiku/Sapota	Sapotaceae	Edible fruit, traditionally, it is used as a diuretic, expectorant and in ophthalmology
23	<i>Indigofera gerardiana</i>	Indigo, Nili	Leguminosae	Used in case of abdominal pain, broken bones
24	<i>Polalthia longifolia</i>	Devdaru	Annonaceae	Used in traditional system of medicine for the treatment of fever, skin diseases, diabetes, hypertension and helminthiasis.
25	<i>Eucalyptus lanceolatus</i>	Nilgiri	Myrtaceae	Oil is antibacterial, antiinflammatory
26	<i>Lagerstroemia lanceolata</i> wall	Ben Teak	Lythraceae	Used in case of asthma, diabetes mellitus, chronic bronchitis, cold, cough and local application for aphthae of the mouth

6.6 Non Teaching Support (20)

Total Marks 20.00

Name of the Technical Staff	Designation	Date Of Joining	Qualification		Other Technical Skill Gained	Responsibility
			AT joining	Now		
Mrs. Sanjyokta Kankonkar	Lab Technician	23-07-2007	B.Sc, D. Pharm	B.Sc, D. Pharm	Nil	1. Monitoring and maintenance of Pharmacology Laboratories I and II (including floor) 2. Monitoring and maintenance of Animal on Scheduled days 3. Monitoring and maintenance of Microbiology Laboratory. 4. Maintenance of Microbial cultures.
Mrs. Vaishali Fadate Gaoukar	Lab Technician	23-07-2007	B.Sc	B.Sc	Certificate course in MS-Office	1. Monitoring and maintenance M.Pharm Pharmaceutical Chemistry I Laboratory (including floor) 2. Monitoring and maintenance Pharmaceutical Analysis Laboratory (including floor) 3. Monitoring and maintenance of auditorium (ever Saturday 9.00am to 12.30pm)
Miss. Atita Khandeparkar	Lab Technician	01-07-2010	B.Sc	B.Sc	Certificate course in MS-Office	1. Monitoring and maintenance of Pharmaceutics I and II Laboratory (including floor). 2. Monitoring and Maintenance of Museum 3. Monitoring and maintenance of Examination Cell (including floor)
Miss. Ameya Naik	Lab Technician	24-09-2014	B.Sc	B.Sc	Certificate course in MS-Office	1. Monitoring and maintenance of Pharmacognosy Laboratory (including Floor) 2. Monitoring and maintenance of medicinal garden 3. Monitoring and maintenance M.Pharm Pharmaceuticas - II (research)Laboratory. 4. Monitoring and Maintenance of Pilot plant 4. Monitoring and stock maintenance and care of First aid room (including floor) 5. Monitoring and maintenance of M.Pharm Pharmaceutics I and Pharmaceutics III Laboratory (including floor)
Mrs. Kirti Shirodkar	Lab Technician	01-07-2015	D. Pharm	D. Pharm	Certificate course in MS-Office	1. Monitoring and maintenance of Pharmaceutical Chemistry - I and II Laboratory (including floor) 2. Monitoring and maintenance of Examination Cell (including floor)

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

Institute Marks : 10.00

The technical supporting staff for program specific laboratories is well qualified with Bachelor's Degree in Science and/or Diploma in Pharmacy. Most of the staff are working with the college for more than 5 years.

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

Institute Marks : 10.00

As a part of "Skill Development Programme" various workshops/ Seminars/Training programme were organised by the institute for the non-teaching technical staff of the college. Various SDPs organised by college are listed below

Academic Year	Name of Programme	Activity	Attended by
2017-18	SDP 2017	Handling and maintenance of pharmaceutical Equipment	Mrs. Sanjyokta Khandeparkar Mrs. Vaishali Fadate Gaouunkar Miss.Atita Khandeparkar Miss.Ameya Naik Mrs.Kirti Shirodkar Mrs. Ujwal Patkar
2018-19	SDP 2018	Techniques of Animal Handling and CPCSEA Guidelines	Mrs. Sanjyokta Khandeparkar Mrs. Vaishali Fadate Gaouunkar Miss.Atita Khandeparkar Miss.Ameya Naik Mrs.Kirti Shirodkar Mrs. Ujwal Patkar
2019-20	SDP 2019	E Literacy: Microsoft Office	Mrs. Sanjyokta Khandeparkar Mrs. Vaishali Fadate Gaouunkar Miss.Atita Khandeparkar Miss.Ameya Naik Mrs.Kirti Shirodkar Mrs. Ujwal Patkar
2020-21	SDP Digital Edition	ICT Tools for conduct of practical by Virtual Mode	Mrs. Sanjyokta Khandeparkar Mrs. Vaishali Fadate Gaouunkar Miss.Atita Khandeparkar Miss.Ameya Naik Mrs.Kirti Shirodkar Mrs. Ujwal Patkar
2021-22	SDP Next Gen	Precautionary measures in laboratory during pandemics	Mrs. Sanjyokta Khandeparkar Mrs. Vaishali Fadate Gaouunkar Miss.Atita Khandeparkar Miss.Ameya Naik Mrs.Kirti Shirodkar

7 CONTINUOUS IMPROVEMENT (75)

Total Marks 72.36

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

Total Marks 15.00

No record exist(s)

7.2 Improvement in Placement and Higher Studies (15)

Total Marks 15.00

Institute Marks : 15.00

Items	2017-18 (LYG)	2016-17 (LYGm1)	2015-16 (LYGm2)
Placement Index (from 4.7)	0.94	0.97	1.00

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

Total Marks 7.36

Institute Marks : 7.36

Academic Performance	2017-18 (LYG)	2016-17 (LYGm1)	2015-16 (LYGm2)
Mean of CGPA or mean percentage of all successful students(X)	7.40	7.62	7.07
Total number of successful students(Y)	70.00	64.00	61.00
Totalnumber of students appeared in the examination(Z)	70.00	64.00	61.00
API [$X \cdot (Y/Z)$]:	7.40	7.62	7.07

Average API [(AP1 + AP2 + AP3)/3] : 7.36

Academic Performance = Average API = [(AP1 + AP2 + AP3)/3] : 7.36

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

Total Marks 15.00

Item		2020-21(CAYm1)	2019-20(CAYm2)	2018-19 (CAYm3)
National Level Entrance Examination Nil	No of students admitted	0	0	0
	Opening Score/Rank	0	0	0
	Closing Score/Rank	0	0	0
State/ University/ Level Entrance Examination/ Others Goa Common Entrance Test	No of students admitted	113	77	63
	Opening Score/Rank	77	81	63
	Closing Score/Rank	35	38	47
Name of the Entrance Examination for Lateral Entry or lateral entry details Diploma in Pharmacy	No of students admitted	5	6	5
	Opening Score/Rank	72.80	68.40	75
	Closing Score/Rank	56.2	58.40	71.8
Average CBSE/Any other board result of admitted students(Physics, Chemistry&Maths)		66.00	63.47	65.25

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

Total Marks 20.00

Institute Marks : 20.00

POs Attainment Levels and Actions for Improvement- (2020-21)

POs	Target Level	Attainment Level	Observations
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PO 1 : Pharmacy Knowledge

PO 1	2.30	1.72	Target level not attained
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In the course of pharmaceutical inorganic chemistry students performance has been found consistently low with respect to attainment of some COs as it was difficult to understand basic concepts related to the subject.
Action - Tutorial lectures were taken to improve basic concepts

PO 2 : Planning abilities

PO 2	2.08	1.59	Target level attained
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In the course of Pharmaceutics-I students performance has been low to attain certain CO s as they did not have any background knowledge of the dosage forms and Concept of GMP/GLP.
Action: More focus was laid upon acquainting the students with GMP/GLP .

PO 3 : Problem Analysis

PO 3	2.00	1.50	Target level attained
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Student were not able to attain certain COs in subject of Physical pharmaceuticals I as it was difficult for the students to cope up with hypothesis, derivations and problems.

Action:

1. Focus was laid upon solving problems based on derivation.

PO 4 : Modern tool usage

PO 4	1.92	1.48	Target level attained
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In the course of Pharmaceutical analysis students performance has been low with respect to attainment of some COs as modern tool usage and equipment like analytical instruments were difficult to comprehend

Action: Industrial visits and training in industry were conducted to help students to gain practical understanding of the modern analytical instruments

PO 5 : Leadership skills

PO 5	1.96	1.81	Target level attained
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Action 1: students leadership skills were improved by encouraging their participation in various competitions and extra-curricular activities.

PO 6 : Professional identity

PO 6	1.90	1.53	Target level attained
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Action 1: Students were made aware of their professional responsibility by making it compulsory to wear labcoats, head gears, to maintain GMP.

PO 7 : Pharmaceutical Ethics

PO 7	2.50	2.37	Target level attained
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Action 1: Pharmaceutical jurisprudence subject imparts knowledge towards the ethics of the profession

PO 8 : Communication

PO 8	1.55	1.31	Target level attained
Action 1: INSPIRE an interclass event that encompasses various competitions like elocution, debate, PowerPoint making etc. on subjects revolving the pharmacy profession are organised every year around the National pharmacy week to encourage the students gain knowledge about profession and improve communication skills.			

PO 9 : The pharmacist and society

PO 9	1.65	1.15	Target level attained
In the course of Community and Hospital Pharmacy, students performance was not satisfactory to attain certain COs as application of knowledge was required/ Action: Health camps, guest lectures from eminent personalities in the pharmacy profession and training in community pharmacy was imparted to the students.			

PO 10 : Environment and Sustainability

PO 10	1.80	1.43	Target level attained
Action 1: As a part of extracurricular activities, the college is actively engaging the students in Swachh Bharath Abhiyan, Vanmahotsav, International Yoga Day and various other international days dedicated to environment are celebrated			

PO 11 : Life-long Learning

PO 11	1.71	1.20	Target level not attained
Action 1: Seminars, guest lectures under the series of "Re connect and we Connect" are being regularly organized to give latest information regarding the advancement in the field of pharmaceutical sciences.			

POs Attainment Levels and Actions for Improvement- (2019-20)

POs	Target Level	Attainment Level	Observations
PO 1 : Pharmacy Knowledge			
PO 1	2.19	1.83	Target level attained

In the course of Pharmaceutics- I (Dispensing and General Pharmacy) Students performance has been low with respect to attainment of some COs as it was revealed that the theory component was weak with respect to Basic concepts and their application
 Action -.Videos related to Process were shown during lectures to improve basic concepts

PO 2 : Planning abilities

PO 2	1.99	1.70	Target level attained
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In the course of Biopharmaceutics students' performance was low to attain certain CO s as students did not get sufficient practice to apply their knowledge practically.
 Action: - More practice would be given to students to solve problems.

PO 3 : Problem Analysis

PO 3	1.91	1.59	Target level attained
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In the course of Pharmaceutical Jurisprudence theory, student performance has been low with respect to attainment of some COs as analysis of answer scripts and discussions with the students revealed that, theoretical aspect of the subject was passive, and legal language in the subject was difficult to understand and memorise which hampered their applications in PO attainment.

Action:

1. Oral presentation and group discussion were conducted to improve their understanding about laws and legal aspects.

PO 4 : Modern tool usage

PO 4	1.82	1.61	Target level attained
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In the course of Microbiology Students performance has been low with respect to attainment of some COs as modern tool usage like molecular methods has been comparatively less as the course content focuses on basic microbiological techniques applicable for pharmacy students.

Action In the subject of pharmaceutical biotechnology molecular methods have been focused upon.

PO 5 : Leadership skills

PO 5	1.86	1.64	Target level attained
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Action 1: Students council is elected so as to lead the team to assist in planning and development of various cultural, sports, social, and other educational interest of students.

Action 2: Radicals and intercollegiate event is held every year to promote leadership qualities and team building activities in students.

PO 6 : Professional identity

PO 6	1.80	1.52	Target level attained
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Action 1: More focus was provided for professional identity as the program curriculum consists of Hospital and community pharmacy, Pharmaceutical Jurisprudence, Advance Pharmaceutics to deal with.

PO 7 : Pharmaceutical Ethics

PO 7	2.40	2.25	Target level attained
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Action 1: Students are motivated constantly by teachers inculcating the ethical values.

PO 8 : Communication

PO 8	1.45	1.28	Target level attained
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Action 1: Students are encouraged to participate in group discussion to improve communication skills.

PO 9 : The pharmacist and society

PO 9	1.55	1.19	Target level attained
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In the course of Community and Hospital Pharmacy, students performance was not satisfactory to attain certain COs as application of knowledge was required.

Action: Health camps, Oral presentation and training in community pharmacy was given to the students.

PO 10 : Environment and Sustainability

PO 10	1.70	1.40	Target level attained
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Action 1: Students are motivated to participate in Vanmahotsav, Swatch Bharat Abhiyan.

PO 11 : Life-long Learning

PO 11	1.60	1.34	Target level attained
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Action: Student are encouraged to work as a volunteer in organising Continuing pharmacy education organised for registered pharmacist.

POs Attainment Levels and Actions for Improvement- (2018-19)

POs	Target Level	Attainment Level	Observations
PO 1 : Pharmacy Knowledge			
PO 1	2.30	1.72	Target level not attained
<p>In the course of pharmaceutical inorganic chemistry students performance has been found consistently low with respect to attainment of some COs as it was difficult to understand basic concepts related to the subject.</p> <p>Action - Tutorial lectures were taken to improve basic concepts</p>			
PO 2 : Planning abilities			
PO 2	2.08	1.59	Target level attained
<p>In the course of Pharmaceutics-I students performance has been low to attain certain CO s as they did not have any background knowledge of the dosage forms and Concept of GMP/GLP.</p> <p>Action: More focus was laid upon acquainting the students with GMP/GLP .</p>			
PO 3 : Problem Analysis			
PO 3	2.00	1.50	Target level attained
<p>Student were not able to attain certain COs in subject of Physical pharmaceutics I as it was difficult for the students to cope up with hypothesis, derivations and problems.</p> <p>Action:</p> <p>1. Focus was laid upon solving problems based on derivation.</p>			
PO 4 : Modern tool usage			
PO 4	1.92	1.48	Target level attained
<p>In the course of Pharmaceutical analysis students performance has been low with respect to attainment of some COs as modern tool usage and equipment like analytical instruments were difficult to comprehend</p> <p>Action: Industrial visits and training in industry were conducted to help students to gain practical understanding of the modern analytical instruments</p>			

PO 5 : Leadership skills

PO 5	1.96	1.81	Target level attained
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Action 1: students leadership skills were improved by encouraging their participation in various competitions and extra-curricular activities.

PO 6 : Professional identity

PO 6	1.90	1.53	Target level attained
------	------	------	-----------------------

Action 1: Students were made aware of their professional responsibility by making it compulsory to wear labcoats, head gears, to maintain GMP.

PO 7 : Pharmaceutical Ethics

PO 7	2.50	2.37	Target level attained
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Action 1: Pharmaceutical jurisprudence subject imparts knowledge towards the ethics of the profession

PO 8 : Communication

PO 8	1.55	1.31	Target level attained
------	------	------	-----------------------

Action 1: INSPIRE an interclass event that encompasses various competitions like elocution, debate, PowerPoint making etc. on subjects revolving the pharmacy profession are organised every year around the National pharmacy week to encourage the students gain knowledge about profession and improve communication skills.

PO 9 : The pharmacist and society

PO 9	1.65	1.15	Target level not attained
------	------	------	---------------------------

In the course of Community and Hospital Pharmacy, students performance was not satisfactory to attain certain COs as application of knowledge was required.
Action: Health camps, guest lectures from eminent personalities in the pharmacy profession and training in community pharmacy was imparted to the students.

PO 10 : Environment and Sustainability

PO 10	1.80	1.43	Target level attained
-------	------	------	-----------------------

Action 1: As a part of extracurricular activities, the college is actively engaging the students in Swachh Bharath Abhiyan, Vanmahotsav, International Yoga Day and various other international days dedicated to environment are celebrated

PO 11 : Life-long Learning

PO 11	1.71	1.20	Target level not attained
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Action 1: Seminars, guest lectures under the series of "Re connect and we Connect" are being regularly organized to give latest information regarding the advancement in the field of pharmaceutical sciences.

8 STUDENT SUPPORT SYSTEMS (50)**Total Marks 50.00****8.1 Mentoring system to help at individual levels (5)****Total Marks 5.00****Institute Marks : 5.00****Type of mentoring:** All-round development**Number of faculty mentors:**

Sr. No.	Academic year	Number of Mentors
1	2018-19	18
2	2019-20	20
3	2020-21	18
4	2021-22	18

The institution has developed a well organized system for mentoring system to support the students.

- Mentoring system of the institution is focused on all round development of the students and counseling them addressing different dynamic and individual needs in areas such as academics, career advancement, personal problems and facility demand etc.
- Mentoring system is handled by well experienced staff which includes the Principal of the college and a faculty member.
- Group of 4-7 students is allocated to each Mentor at the beginning of the first year, for better working of system. These mentors act as a local student counselor and take the responsibility of mentoring students till the completion of the course. The mentees meet their mentors depending on the needs.
- Mentoring staff regularly monitor and counsel respective students, assist them in
 - Academics,
 - Trainings and projects
 - Participation in co-curricular and extra co-curricular activities

- Different scholarships for student support by government and other agencies
- In dealing with problems faced in college as well as personal issues
- Entrance exams

8.1.1 Purpose of mentorship system:

Newly admitted B. Pharm. students may face certain challenges in various aspects like adaptation to new environment, academic schedule, understanding the needs of the curriculum and development of healthy interpersonal relationship with peers and teachers.

This system adapted for the value additions to the students like

- Bridging the gap between the teachers and students.
- Creation of a better environment in college, where students can approach teacher for both educational and personal guidance.
- Enhancement of knowledge base for both teachers and students alike, due to effective two-way communication.
- Awareness and support to students for entrance examinations.
- Awareness and support to students for obtaining different scholarships.
- Motivation for higher studies, job placement and entrepreneurship.
- Advice and support for improvement in academic performance, provide course specific guidance and over all development.

8.1.2 Process of mentorship system:

The mentorship system is administered and monitored by the Principal and a coordinator (Faculty Member).

The newly admitted B.Pharm. students are made aware of mentorship system during their induction program.

During this, a mentor list is prepared and a notice is raised.

Then the students are allotted and introduced to their respective mentors. The same mentee - mentor are retained until the end of the B. Pharm. program (4 academic years).

The mentor –mentee meetings are held as and when required.

A mentorship booklet is provided to each student and their every crucial record is maintained throughout the B.Pharm. course. The format of booklet is attached below.

8.1.3 Mentor system coordinator:

Ms. Suwarna Bobde (Assistant Professor, Department of Pharmaceutics, PES's Rajaram and Tarabai Bandekar college of Pharmacy).

Name of Mentor	B.Pharm II Year	B.Pharm III Year	B.Pharm IV Year
Dr. Celina Nazareth	6	4	4
Dr. Shilpa Bhilegaonkar	6	4	4
Dr. Suwarna Bobde	6	4	4
Dr. Leena Sawaikar	6	5	4
Dr. Swati Keny	6	5	4
Mr. Pankaj Gajare	7	4	5
Dr. Mangirish Deshpande	7	4	5
Dr. Nilambari Gurav	7	4	4
Dr. Pearl Dighe	7	4	4

Mr. B Biradar	7	4	4
Ms. Gauri Angle	7	4	4
Ms. Soniya Naik	7	4	4
Mr. Sandesh Somnache	7	4	4
Mrs. Arti Pednekar	7	4	4
Mrs. Saumya Vernekar	7	4	4
Ms. Chaitali Tendulkar	7	4	4
Ms Savee Kamat	-	4	-
Ms Kamakshi Kuncolienkar	7	4	-
Ms Ashwini Jadhav	7	4	-
Mrs. Sarika Kerkar	-	4	4

Semester IV Academic Year: 2021-2022 (B.Pharm II Year)

MENTOR-- STUDENT LIST 2020-21

ROLL NO	STUDENT NAME	MENTOR
1.	AACHAL ANANT SHIRODKAR	DR. CELINA NAZARETH
2.	AACHAL CHANDRAKANT NAIK	DR. CELINA NAZARETH
3.	AIZWAL FRANCISCA VAZ	DR. CELINA NAZARETH
4.	AKANSHA VINAY DHAWALIKER	DR. CELINA NAZARETH
5.	AKSHAY SOMNATH ALVE	DR. CELINA NAZARETH
6.	AMISHA CHANDRAKANT NAIK	DR. CELINA NAZARETH
7.	AMISHA SURYAKANT MANDREKAR	DR. SHILPA BHILEGAONKAR
8.	ANAND SAMEER BANDORCAR	DR. SHILPA BHILEGAONKAR
9.	ANANYA KATKAR	DR. SHILPA BHILEGAONKAR
10.	ANIRUDDH ANAND NAIK	DR. SHILPA BHILEGAONKAR
11.	ASHVIT NARAYAN NAIK	DR. SHILPA BHILEGAONKAR
12.	BARATH CHHAGANLAL PRAJAPATE	DR. SHILPA BHILEGAONKAR
13.	BHARGAVI XRIRAMA JOSHI	DR. SUWARNA BOBDE
14.	BHOMKAR CHANDAN NANU	DR. SUWARNA BOBDE
15.	CHANDANA ANANTHA	DR. SUWARNA BOBDE
16.	CLAEVIA THERESMARI BRAGANZA	DR. SUWARNA BOBDE
17.	DELORA HELOISE CARDOSO	DR. SUWARNA BOBDE
18.	DESAI MOHIT MUKUND	DR. SUWARNA BOBDE
19.	DESAI SHUBHAM KRISHNAKANT	DR. LEENA SAWAIKAR
20.	DIANDRA LISHA SOUZA	DR. LEENA SAWAIKAR
21.	DIKSHITA LAVU GAWDE	DR. LEENA SAWAIKAR
22.	DINISHA DILIP KURTARKAR	DR. LEENA SAWAIKAR
23.	DIVYA DEVIDAS NAIK	DR. LEENA SAWAIKAR
24.	DORIS ESHA FURTADO	DR. LEENA SAWAIKAR
25.	DURGA RAJESH DEVIMANEKAR	DR. SWATI KENY

26.	EDNA GOMES	DR. SWATI KENY
27.	GANDHAI BALKRISHNA AEER	DR. SWATI KENY
28.	GOUTHMI VIVEK GAUDE	DR. SWATI KENY
29.	GOVEKAR RUTIK RATNAKAR	DR. SWATI KENY
30.	HARSHITHA	DR. SWATI KENY
31.	HIMANI SANTOSH CHAVAN	MR. PANKAJ GAJARE
32.	JESWIL TILDON REBELO	MR. PANKAJ GAJARE
33.	KESHAV NARAYAN SHETGAONKAR	MR. PANKAJ GAJARE
34.	KRUPA ATMARAM NAIK GAONKAR	MR. PANKAJ GAJARE
35.	KUMUD MAHESH BONGALE	MR. PANKAJ GAJARE
36.	LATISHA DEVIDAS REVADKAR	MR. PANKAJ GAJARE
37.	LEANDRA SENITA NORONHA	MR. PANKAJ GAJARE
38.	LEELA NANDAKUMAR PARAB	DR. MANGIRISH DESHPANDE
39.	LEONA LISA FERNANDES	DR. MANGIRISH DESHPANDE
40.	MACKANZIE AARON FERNANDES	DR. MANGIRISH DESHPANDE
41.	MANDREKAR ROHIT RAJENDRA	DR. MANGIRISH DESHPANDE
42.	MANISHA SANTOSH TAMSE	DR. MANGIRISH DESHPANDE
43.	MAYVOLA JUDEE ALEMAO	DR. MANGIRISH DESHPANDE
44.	MOHAMMED RAZAULL MUSTAFA	DR. MANGIRISH DESHPANDE

Principal
Dr. S. Rajaram and T. S. Bandekar


	BATERI	
45.	MRIDUL MEGHNATH CHODANKAR	DR. PEARL DIGHE
46.	NADAF MOHAMEDRAFIC KASIM	DR. PEARL DIGHE
47.	NAVEEN KUMAR	DR. PEARL DIGHE
48.	NEKET RAMAKANT GAUNKAR	DR. PEARL DIGHE
49.	NEETA GURUDAS GAYDE	DR. PEARL DIGHE
50.	NEHAL DAMODAR VERNEKAR	DR. PEARL DIGHE
51.	NIDHI NAMDEV RANE	DR. PEARL DIGHE
52.	NIKITA RAMESH BYRAPURA	DR. NILAMBARI GURAV
53.	NIKITA VIRENDRA HUBLIKAR	DR. NILAMBARI GURAV
54.	NISHA RAGHUNATH GAUNKER	DR. NILAMBARI GURAV
55.	NITIKESH DIGAMBAR BANDEKAR	DR. NILAMBARI GURAV
56.	OMKAR ASHOK DHAWASKAR	DR. NILAMBARI GURAV
57.	OMKAR SHIVRAM GAWAS	DR. NILAMBARI GURAV
58.	PRABHU SAHIL PRAVIN	DR. NILAMBARI GURAV
59.	PRACHI PRAKASH GAONKAR	MR. B. BIRADAR
60.	PRAJAKTA KRISHNANATH NAIK	MR. B. BIRADAR
61.	PRANITA DADI NAIK	MR. B. BIRADAR
62.	PRICIDA SILVA	MR. B. BIRADAR
63.	RAJAN SURESH SHARMA	MR. B. BIRADAR
64.	RAJAT RAJESH NAIK	MR. B. BIRADAR
65.	REEMA RAMDAS PARVATKAR	MR. B. BIRADAR
66.	REEVE AGNELO MENDES	MS. GAURI ANGLE
67.	RITAKSHA GAJANAN SALGAOKAR	MS. GAURI ANGLE

69.	RITIKA TULSHIDAS MANDREKAR	MS. GAURI ANGLE
70.	RIYA RAGHUNATH SINAI SANCORDEKAR	MS. GAURI ANGLE
71.	RUCHI CHANDRAHAS NAYAK	MS. GAURI ANGLE
72.	RUTIKA SADANAND NAIK	MS. GAURI ANGLE
73.	SADANAND NILESH MAHADESHWAR	MS SONIYA NAIK
74.	SAIDNYA SATYAVAN GAWAS	MS SONIYA NAIK
75.	SAILEE PRADEEP NAIK	MS SONIYA NAIK
76.	SAMEER MEHBOOB PATEL	MS SONIYA NAIK
77.	SAMIDHA SUNIL KERKAR	MS SONIYA NAIK
78.	SAMRIDDHI SUSHANT BHAGAT	MS SONIYA NAIK
79.	SANA SAGUN PARAB	MS SONIYA NAIK
80.	SANISH NARENDRA TARI	MR SANDESH SOMNACHE
81.	SANIYA UMESH VOLVAIKAR	MR SANDESH SOMNACHE
82.	SANIYOT TULSIDAS SHIRODKAR	MR SANDESH SOMNACHE
83.	SANKALP SANDESH RAIKAR	MR SANDESH SOMNACHE
84.	SANSKRUTI SHIVAJI PHADKE	MR SANDESH SOMNACHE
85.	SATYAM SAMPURNANAND RANE	MR SANDESH SOMNACHE
86.	SHAIKH ZULFATH BI MEHBOOB	MR SANDESH SOMNACHE
87.	SHARELEN MAHIMA VAZ	MS ARTI PEDNEKAR
88.	SHARMAD PRASHANT PEDNEKAR	MS ARTI PEDNEKAR
89.	SHATAKSHI AJIT DEVARI	MS ARTI PEDNEKAR

Principal
Principal and Deputy Principal

90.	SHIFFA SHAIKH	MS ARTI PEDNEKAR
91.	SHIVAM RAM	MS ARTI PEDNEKAR
92.	SHRADDHA SAKHARAM DESAI	MS ARTI PEDNEKAR
93.	SHRINKY PARESH DANGUI	MS ARTI PEDNEKAR
94.	SIDDHANT GAJANAN NARVEKAR	MS SAUMYA VERNEKAR
95.	SIDDHI SATYAWAN AGADYEKAR	MS SAUMYA VERNEKAR
96.	SIDHAVI SUDHAKAR PARIT KAKODKAR	MS SAUMYA VERNEKAR
97.	SIDRA KHAN	MS SAUMYA VERNEKAR
98.	SIMRAN MANOJ KUMAR BANDODKAR	MS SAUMYA VERNEKAR
99.	SIYA DATTA NAIK	MS SAUMYA VERNEKAR
100.	SONIYA SOMPURLO GAONKAR	MS SAUMYA VERNEKAR
101.	SRUSHTI GOPAL NARVEKAR	MS CHAITALI PRABHU TENDULKAR
102.	SUDAKSHA MADHUSUDAN SHET	MS CHAITALI PRABHU TENDULKAR

	NARVEKAR	
103.	SUKANYA APPASAHEB RANE	MS CHAITALI PRABHU TENDULKAR
104.	SUMUKH SANTOSH TIWARI	MS CHAITALI PRABHU TENDULKAR
105.	SUNIDHI SUBHASH KOMARPANT	MS CHAITALI PRABHU TENDULKAR
106.	SUSANNE VALERIE DIAS	MS CHAITALI PRABHU TENDULKAR
107.	TANISHQUE MANGESH BORKAR	MS CHAITALI PRABHU TENDULKAR
108.	TANVI SADASHIV CHARI	MS ASHWINI JADHAV
109.	TEJAS PRAKASH DESAI	MS ASHWINI JADHAV
110.	UPASANA SHANKAR KUMBHAR	MS ASHWINI JADHAV
111.	VAIBHAVI DHURI	MS ASHWINI JADHAV
112.	VAIBHAVI PRADEEP GOVEKAR	MS ASHWINI JADHAV
113.	VAISHNAVI VISHWANATH PALNI	MS ASHWINI JADHAV
114.	VEDA NARENDRA PRABHU	MS ASHWINI JADHAV
115.	VEDA PRASHANT KENI	MS KAMAKSHI KUNCOLIENKAR
116.	VEDHANT MAHADEV NAIK	MS KAMAKSHI KUNCOLIENKAR
117.	VISHNUKANT ALIAS SHRIYASH SHESH SHIRODKAR	MS KAMAKSHI KUNCOLIENKAR
118.	VISHWAJA SOMNATH KHANDOLKAR	MS KAMAKSHI KUNCOLIENKAR
119.	VRUDHI JANMEJAY PARAB	MS KAMAKSHI KUNCOLIENKAR
120.	VRUSHABH SUMANT KHAUNTE	MS KAMAKSHI KUNCOLIENKAR
121.	YEESHA SANJAY GAD	MS KAMAKSHI KUNCOLIENKAR
122.	YOGESH SHAILENDRA NAIK	MS KAMAKSHI KUNCOLIENKAR


 PRINCIPAL
 P.S.'s Rajaram and Tarabai Bandekar
 College of Pharmacy
 Farmagudi, Ponda, Goa

Ponda Education Society's
Rajaram and Tarabai Bandekar
College of Pharmacy

Farmagudi, Ponda Goa 403 401



MENTORSHIP / ACADEMIC COUNSELLING

Passport
size Photo

Name of the student : _____

Address : _____

Name of the Mentor : _____

Semester (Circle the current semester) : 1 2 3 4 5 6 7 8

Year of Admission : _____

Contact Numbers (s) : _____

E-Mail ID : _____

Ponda Education Society's
Rajaram and Tarabai Bandekar
College of Pharmacy
Farmagudi, Ponda Goa 403 401

I. Personal Information :

1. Name in full :
2. Date of Birth :
3. Mother Tongue :
4. Languages Known :

To Write			
To Read			
To Speak			

5. Staying with Parent / guardian / Hostel
6. Address for correspondence (Parent / Guardian) with contact number :

[illegible]

Mobile No. _____ Landline No. _____

7. Present address of the student with contact number :

[illegible]

Mobile No. _____ Landline No. _____

8. E-mail Id of Parent (s): _____
E-mail Id of student _____

II. Family Background :

Sl. No.	Particular	Father	Mother
1.	Name		
2.	Occupation		
3.	Monthly Income		
4.	Qualification		
5.	Office Address with Contact No		

1. Number of Members in the house :

- a) Number of Brothers
b) Number of dependents (if any) who are :
i) Disabled :
ii) Aged :

Sisters:

--	--

2. Present place of living of parent / guardian / hostel

III. Special Interest :

1. Tick your places of interest :

Reading <input type="checkbox"/>	Sports <input type="checkbox"/>	Literature <input type="checkbox"/>	Dance <input type="checkbox"/>
Music <input type="checkbox"/>	Acting <input type="checkbox"/>	Politics <input type="checkbox"/>	Social Service <input type="checkbox"/>

2. Hobbies :

3. Details of Extra/Co-curricular Achievements :

4. Career Guidance required in which field :

IV. Health (Report from Medical Officer) : (As on : _____)

- | | |
|------------------|---------------|
| 1. Height : | 2. Weight : |
| 3. Blood Group : | 4. Hb Count : |
| 5. Eye-sight : | 6. B. P. : |
7. Whether interested in donating blood :
8. Do you have difficulty in speech/hearing :
9. Allergic to :
10. Other health/behavioral problems :

V. If you have any of the following problems, please detail them.*(Feel free to write, as this report is kept confidential)*

- | | |
|---------------------------|----------------------|
| 1. Personal Problems : | <input type="text"/> |
| 2. Educational Problems : | <input type="text"/> |
| 3. Social Problems : | <input type="text"/> |
| 4. Financial Problems : | <input type="text"/> |
| 5. Any Other : | <input type="text"/> |

VI. About ME :

1. What am I now :

2. What I want to be tomorrow :

3. Strengths :

4. Weaknesses :

VII. Study Details :

S.No.	Degree	Name and Address of the School /College	Year	Percentage
1.	SSCE			
2.	HSSCE			
3.	DIPLOMA IN PHARMACY			
4.	B. PHAR M			

VIII. ACADEMIC RECORD IN THE DEPARTMENT :

SEMESTER: Theory Month: Year:

Class :

Sl No.	Subjects	Marks Obtained			Pass/Fail	Remarks
		Int.I	Final	Total		
1						
2						
3						
4						
5						
6						
7						
8						

VIII. ACADEMIC RECORD IN THE DEPARTMENT :

SEMESTER: Pratical Month: Year:

Class :

Sl No.	Subjects	Marks Obtained			Pass/Fail	Remarks
		Int.I	Final	Total		
1						
2						
3						
4						
5						
6						
7						
8						

Overall Class Obtained : _____

- 4 -

1. GOALS / ACHIEVEMENTS DURING SEMESTER :

2. Reports from Professors In-Charge of Guidance Batch :

1) Name of the Mentor :

2) Has the Student been regular in his/her attendance :

--	--

3) How is your contact with the student :

FREQUENT	MODERATELY FREQUENT	INFREQUENT	
----------	---------------------	------------	--

4) Have you heard about him/ her in the matter of :

Conduct :

Intelligence :

Regularity :

Interest in Co and Extra-Curricular activities :

5) Do you have anything special to be mentioned :

6) Type of personality :

3. Remarks of the other Professors who know about the student :

4. What assistance is recommended :

5. What assistance is given ?

6. Remark of the mentor :

Signature of Staff Mentor

- 5 -

8.1.4 Effectiveness of Mentor system:

Students are successful in obtaining ranks at Goa University (Gold medals), qualifying entrance exam (General Pharmacy Aptitude Test) and obtaining various scholarships.

GPAT Qualification

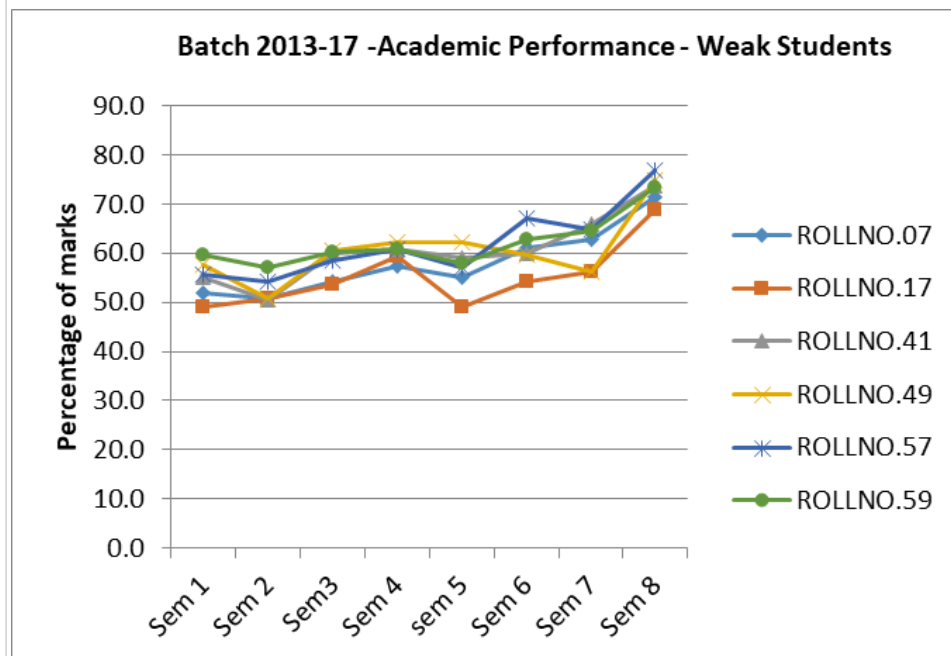
Sr.No.	Academic year	No. of students
1.	2018-19	05
2.	2019-20	06
3.	2020-21	04
4.	2021-22	02

NIPER Qualification

Sr.No.	Academic year	No. of students
1.	2020-21	02

Student scholarships:

Agency	Number of Students		
Academic year	2018-19	2019-20	2020-21
Post matric scholarship to Other backward class (OBC) students	-	-	-
Post matric scholarship to Scheduled Tribe (ST) students	21	26	32
Gagan Bharati Shiksha Yojana for Scheduled Tribe (ST) students	21	26	32
Merit Based Award Scheme by Government of Goa	04	05	05
AICTE Pragati Scholarship for girls	-	-	06

Academic progress of weak students:**8.2 Feedback analysis and reward /corrective measures taken, if any (10)**

Total Marks 10.00

Institute Marks : 10.00

The institution has an effective feedback analysis mechanism and feedback forms which has questionnaire that includes the essential aspects of teaching and learning to improve quality and effectiveness.

The main objectives of the feedback system are as follows:

- To provide the platform to the students in identifying a greater role in the teaching learning process.
- To help the faculty modification and improvement in the teaching methodology at the institution.
- To develop a communication channel between the management and students.
- To maintain the functioning of the institution system in the field of teaching learning process, library, sports, administration, etc at its level best.

8.2.1 Process of Feedback:

- Feedback questions are framed with inputs from Principal, HOD's and senior professors to analyze teaching-learning process.
- Feedback is collected anonymously and in a confidential manner from all students for all the subjects taught at end of every semester.
- Feedback is analyzed in an unbiased and structured manner to assess teaching attitude, strength & weakness of a teaching process, facilitating improvement in quality of teaching.
- Summary of feedback analysis is conveyed to the concerned faculty in the form of report. The points of teaching aspects the faculty need to rectify and improve are discussed with the Principal. Corrective measures are suggested.
- Implementation of such suggestions in the subsequent semesters is monitored by Principal.

- Feedback is used by the faculty to overcome their weakness and to bridge the gap between student's expectations.
- Similarly appreciations are also made for good performances, through mention in the College council meetings.

Corrective measures

Year	No. of Staff	Improvements suggested	Corrective measures
2018-19	3	<ul style="list-style-type: none"> • Preparedness to class • Linking class to previous class • Pace of syllabus completion 	<ul style="list-style-type: none"> • Counselling and guidance of concerned staff • Faculty Development Program
2019-20	3	<ul style="list-style-type: none"> • Use of audio-visual aids • Change in pace of presentation • Clarity in teaching 	<ul style="list-style-type: none"> • Counselling and guidance of concerned staff • Faculty Development Program
2020-21	3	<ul style="list-style-type: none"> • Updated information • To make class more effective • Stimulation of students to think 	<ul style="list-style-type: none"> • Counselling and guidance of concerned staff • Faculty Development Program
2021-22	Nil	-	-

PES's RAJARAM & TARABAI BANDEKAR COLLEGE OF PHARMACY
FARMAGUDI, PONDA- GOA 403401
FEEDBACK FROM STUDENTS

Name of the Subject Teacher: _____ Date: ____ / ____ /20____

Subject: _____ Class (Sem): _____

NOTE: 1. Students having minimum 75% attendance & who have cleared all the subjects of previous semester are eligible to give the feedback.
2. Answer honestly without fear to all questions and select only one choice for each question.
3. Be anonymous, do not disclose your identity on feedback forms.

1. Does the teacher state the objective clearly at the beginning of each class?
Very Good ☐ Good ☐ Average ☐ Poor ☐

2. Does the teacher explain important concepts/ideas in a way that can be understood?
Very Good ☐ Good ☐ Average ☐ Poor ☐

3. Does the teacher create/stimulate interest in the subject?
 Very Good ☐ Good ☐ Average ☐ Poor ☐
4. Does the teacher change the pace while presentation by shifting the emphasis on practical application of the Subject?
 Very Good ☐ Good ☐ Average ☐ Poor ☐
5. Does the teacher have clarity in his/her teaching?
 Very Good ☐ Good ☐ Average ☐ Poor ☐
6. Is the teacher sympathetic & helpful towards students?
 Very Good ☐ Good ☐ Average ☐ Poor ☐
7. Were the lessons/ Class on the whole effective?
 Very Good ☐ Good ☐ Average ☐ Poor ☐
8. Whether teacher is audible to the whole class?
 Very Good ☐ Good ☐ Average ☐ Poor ☐
9. Does the teacher help you regarding your doubts outside the classroom to the subject?
 Very Good ☐ Good ☐ Average ☐ Poor ☐
10. Does the teacher give current information about the subject topic?
 Very Good ☐ Good ☐ Average ☐ Poor ☐
11. Do you feel the teacher has command over the subject?
 Very Good ☐ Good ☐ Average ☐ Poor ☐
12. Whether the teacher is on right time to the class?
 Very Good ☐ Good ☐ Average ☐ Poor ☐
13. Whether the teacher is prompt in completion of syllabus as per subject plan?
 Very Good ☐ Good ☐ Average ☐ Poor ☐
14. Whether the teacher regularly engages classes as per time table?
 Very Good ☐ Good ☐ Average ☐ Poor ☐
15. Whether teacher takes full class as per allotted time? (1 hour)
 Very Good ☐ Good ☐ Average ☐ Poor ☐



PES's RAJARAM & TARABAI BANDEKAR COLLEGE OF PHARMACY
FARMAGUDI, PONDA- GOA, INDIA, 403401.



COURSE END FEEDBACK FORM

As part of Continuous Quality Improvement, your feedback is valuable

PROGRAMME	B.Pharm. <input type="checkbox"/> / M.Pharm. <input type="checkbox"/>
ACADEMIC YEAR	20 -
SEMESTER	I / II / III / IV / V / VI / VII / VIII
COURSE CODE	

SR. NO.	PARTICULARS	FEEDBACK (Put ✓)		
		AGREE	DISAGREE	NOT SURE
1.	OUTCOMES FOR THE COURSE WERE CLEAR			
2.	COURSE OUTCOMES MET THE COMPETENCIES AS PER THE COURSE CONTENT			
3.	TIMELY COMPLETION OF COURSE CONTENTS			
4.	ACHIEVEMENT OF SET COURSE OUTCOMES			
5.	AVAILABILITY OF TEXT BOOKS/ STUDY MATERIAL			
6.	RELEVANCE OF COURSE CONTENT TO PRACTICAL ASPECTS			
7.	LECTURES CONDUCTED AS PER THE TIME TABLE			
8.	INTELLECTUAL STIMULATION BY COURSE CURRICULUM			
9.	THE COURSE CONTENT IS RELEVANT TO PROGRAMME OUTCOMES			
10.	USEFULNESS OF ASSIGNMENTS AND PRACTICAL DEMONSTRATIONS CONDUCTED			

—————THANK YOU FOR YOUR PARTICIPATION —————

8.3 Feedback on facilities (5)

Total Marks 5.00

Institute Marks : 5.00

- Yes feedback pertaining to the facilities available is taken annually from students and is assessed.
- Based on the feedback corrective actions are taken which include betterment of facilities more accessibility of facilities.
- Principal and administrative staff regularly interact with students to address their problems and for additional improvements required.
- Based on the feedback corrective actions are taken which include betterment of facilities more accessibility of facilities.

Year	Requirements proposed	Corrective Actions
2018-19	Improvement and access to computing and associated facilities	Xerox facility provided in library.
	Expansion of text & library collections	Procured additional numbers on the rack stock
	Better wash room and common room facility	Wash room and common room monitoring routine put in place.
	Improved internet facilities Computing facilities	High speed LAN facility installed and University nominated IT professional to monitor the Computational facilities.
2019-20	Additional journal & reading material.	Subscribed additional journals & other reading material
	Additional text and reference books.	More number of text and reference books added to library collection
	Laboratory instrument and equipment requirement.	Procured additional pH meters, weighing balances, instruments
	Sports equipment requirement	Acquired new sports equipments

2020-21	Additional text and reference books.	More number of text and reference books added to library collection
	Laboratory instrument and equipment requirement.	Procured additional sonicator, weighing balances, BP apparatus, instruments
2021-22	Improved internet facilities Computing facilities	Procured additional number (27) of desktop PCs
	Laboratory instrument and equipment requirement.	Procured additional hardness, tester, heating mantle, weighing balances instruments
	Access to pantry	Pantry provided on ground floor



PES's RAJARAM & TARABAI BANDEKAR COLLEGE OF PHARMACY
FARMAGUDI, PONDA- GOA, INDIA, 403401.
FEEDBACK FORM ON INFRASTRUCTURE AND FACILITIES



As part of Continuous Quality Improvement, your feedback is valuable as it helps us to develop and improve our standards on facilities and services.

Programme	B.Pharm. <input type="checkbox"/> / M.Pharm. <input type="checkbox"/>
Year of Graduation/Post-graduation	20__

Please give a rating of your course on the following:

SR. NO.	FACILITY	FEEDBACK (Put ✓)			
		VERY GOOD	GOOD	AVERAGE	POOR
1.	CLASS ROOM				
A.	PC / PROJECTORS/OHP				
B.	CLEANLINESS				
2.	PRACTICAL LABORATORIES				
A.	INSTRUMENTS				
B.	APPARATUS				
3.	COMPUTER LABORATORY				
A.	NO. OF COMPUTERS/ CONNECTIVITY				
B.	AVAILABILITY OF SOFTWARE/ MAINTENANCE				
4.	LIBRARY				
A.	AVAILABILITY OF BOOKS /JOURNALS				
B.	TIMINGS				
5.	WASHROOMS & DRINKING WATER				
A.	CLEANLINESS/ ADEQUATE LIGHTING IN WASHROOM				
B.	QUALITY OF DRINKING WATER				
5.	MEDICAL				
A.	AVAILABILITY OF MEDICINES/ TIMINGS				
B.	AVAILABILITY OF FIRST AID				

6.	MENTORING SYSTEM				
A.	REGULARITY IN COUNSELLING				
B.	MOTIVATION TO THE STUDENTS TO PARTICIPATE IN CO-CURRICULAR AND EXTRA- CURRICULAR ACTIVITIES				
C.	AVAILABILITY OF MENTOR				
7.	CANTEEN				
A.	HYGEINE				
B.	SERVICE/ TIMINGS				
8.	SPORTS FACILITY				
A.	GYMKHANA				
B.	PLAYGROUND				
9.	HOSTEL				
10.	ATM SERVICES				
11.	OVERALL IMPRESSION OF THE INSTITUTION				

—————THANK YOU FOR YOUR PARTICIPATION —————

8.4 Self Learning (5)

Total Marks 5.00

Institute Marks : 5.00

- Our institution has a well facilitated library with good collection of books, technical magazines, scientific journals (national and international), e- journals, e-books and news papers to help students develop the habit of self-learning and learning beyond syllabus.
- Model question papers and study materials are available for their reference in the library.
- The institution is equipped with internet facility which is available for students streaming educational videos, e-journals and resources.
- Our students actively participate in community health, drug and environmental awareness programs (counseling health camps, blood donation camps, street plays) and activities of IPA.
- They attend various seminars, guest lectures, and workshops conducted by the college and other professional bodies.
- Intracollegiate event 'INSPIRE' is hosted every year which includes model making, poster presentation, elocution, quiz, video making competitions.
- They are actively involved in preparation of college magazine, brochures and presentations.
- The institution is equipped with a Computer Aided Drug Design facility.
- Pilot Plant facility is available to students for understanding the concepts of pharmaceuticals and central instrument laboratory to know the handling of different instruments.
- Seminar hall, classrooms are provided with audiovisual aids which are utilized to undertake seminars and oral presentations.
- Adequately maintained medicinal plant garden.
- To enable learning beyond syllabus for UG students, college invites experts from industry to share their knowledge.
- The above facilitates self-learning process, generate scientific interest, academic discipline, improve innovativeness and strengthen the teaching learning process for the students.

Self learning information beyond syllabus

Particulars	2018	2019	2020	2021
Departmental library:				
Total Books added	Titles :173 Volumes: 206	Titles :237 Volumes: 341	Titles :192 Volumes: 456	Titles :78 Volumes: 459
Print Journal / Magazines/ Subscribed	18	18	18	19
E-journals subscribed	Delnet and Infotrac Subscription: 642	Delnet and Infotrac Subscription: 642	Delnet and Infotrac Subscription: 642	Delnet and Infotrac Subscription: 393 IPC package: 442
Newspapers Subscribed	4	4	3	3
Guest lecture & Workshops	11	5	8	3

8.5 Career Guidance, Training, Placement (10)

Total Marks 10.00

Institute Marks : 10.00

Training & Placement Cell (TPC) is to place the student in competitive good companies based on the merit of the individual student, identify areas of training & various methods as per the training requirement, formulate sequence of activities to meet the training schedules for appropriate placement. Dr Shilpa Bhilegaonkar and Dr Pearl Dhige are nominated as the placement coordinators, having good industrial and academic experience.

The Training & Placement Cell support students to develop their academic and career interests, and their short and long term goals through individual counselling and group sessions.

The Training & Placement Cell is also responsible in Organizing pre-placement training for students. The Placement and Training Committee objectives include:

- To improve the employability of students and to accommodate to the needs of the industry.
- To create a platform where the students can work towards accessing the skills required to get into industry.
- To bridge the gap between industry and educational institutions.
- To reinforce the students skills and acquire industry-specific knowledge from trained faculty and experts from industries.
- To provide motivation for entrepreneurship and arrangement of training.

8.5.1 Functions of Career guidance training and placement cell

- To collect, circulate and display information from news papers, internet and contact sources on different job and career related advertisements.
- To organize guidance seminars, pre-placement talks, presentations on emerging professional trends, personality development, communication skills, interview skills and presentation skills.
- Arrange for interviews to provide them necessary facilities for Recruitment process
- To create consciousness about the importance of higher studies in India and abroad.
- To provide the training and information about model tests for various types of aptitude tests for the competitive exams such as GPAT, NIPER and competitive civil exams.
- Assist students in identifying their strengths, sharpening their interests and planning for a goal oriented future.

8.5.2 Effectiveness of career guidance

Title		2021	2020	2019	2018
Guest Lecture		1	2	1	-
GPAT Qualified		02	04	06	05
Higher Studies	M.Pharm	-	41	38	29
	MBA	-	01	-	02
	MS/Abroad	-	01	-	01
Placement support		15	12	18	18

8.5.3 Placement activities

Total number of Interviews conducted (2018-2021)

Sr. No	Year	Companies for campus	Number of students placed
1	18-19	Apollo Pharmacy	03
		Tevapharm India Private Ltd.	02
		Sanofi Aventis Pharma Ltd.	01
		Unichem Laboratories Ltd.	02
		Sun Pharma	01
		Centaur Pharma	02
		Glenmark	01
		Cipla	04
		Cipla	02

2	19-20	Unichem Laboratories Ltd.	07
		Indoco Remedies Ltd	02
		Abbott India Ltd.	04
		Indocco Pharmaceuticals	01
		Encube ethicals	01
		micro labs	01
		Wellness Pharmacy	01
		Apollo Pharmacy	01
3	20-21	DCI Pharmaceuticals	03
		Indocco Pharmaceuticals	02
		Vergo	02
		Unichem Laboratories Ltd.	01
		Wellness Pharmacy	01
		Bluecross labs	01
		Sanofi	02
4	21-22	Indoco Remedies Ltd	02
		Sanofi	02
		Biomed ingredients	02
		Cipla	07
		Unichem	02

The E-Cell was established with the support of experienced faculty of the institute Mr. Pankaj Gajare and with involvement of active and interested student.

- It focuses on inculcating the entrepreneurial culture into student minds and creating entrepreneurs from the institute.
- Its main objective is to prepare the platform for the students to take up the entrepreneurship as a career and create environment for innovation, self-employment and entrepreneurship development through various programs.
- On an overall perspective, E-cell has proven way to assist students in transforming their ideas into ventures at an early stage of their educational career.

8.6.1 Students Success Stories:

List of Alumini who are successful entrepreneurs/ Self Bussiness owners

- Ms. Plautila Fernandes studied at our institution, and is the owner of St. Joseph Vaz Chemist and Druggist Pharmacy located in Benaulim Goa.
- Mr. Anish Helekar a dynamic and studious student with flair for entrepreneurship, an alumnus of our institution is the founder of Lifesworth Wellness, a nutraceutical marketing and distribution company based in Goa. They supply high calorie, high protein nutrition product under the brand name of Celnutra 2.0 to several individual Doctors, and Hospitals across Goa.
- Mr. Gaurang Prabhudessai, student of our institution, is the owner of Navhind pharmacy, located in Margao, Goa .It is one of the leading distributors of Pharmaceuticals with immense expertise in supplying vitamin and painkiller.
- Rahul Bhende an alumnus of our institution is the owner of Sudeep Medicals Ponda, Goa. It is one of the leading pharmacies in Ponda.
- Mr. Laximan Kavitar, an alumnus of our institution is the owner of K Plus Formulation, Goa involved in wholesale and distribution business. K Plus Formulation employs 05 People. They are actively involved in supply a qualitative array of products that suit their diversified requirements of clients. He along with other experienced professionals made the enterprise in commendable position in highly competitive market.

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

Total Marks 10.00

Institute Marks : 10.00

The all-round development and proficiency of an individual is only possible through balanced development of scholastic as well as non-scholastic aspects in educational setups in the society.

The health and wellbeing of students is of primary concern and one way of ensuring this is by engaging students in co-curricular activities.

Here, the individual's involvement in the co-curricular activities becomes more significant because these activities stop various types of anxieties and stress in an individual. The co-curricular/extracurricular activities help the student to overcome the stress of academics and allow the holistic development.

The following co-curricular activities are undertaken:

- **Cultural Activities:** Departmental Forums organizes intra college level events i.e. quiz competition, some indoor/outdoor games, students seminars, fests, cultural events, etc. For every co-curricular activity the Institute has separate council to monitor the students co-curricular activities i.e. Sports Council and Cultural Council. These councils function throughout the whole academic year and assess the performance of the student and award cumulative 'General Proficiency'. Intracollegiate event 'RADICALS' is hosted every year which includes music, singing and dancing, dramatics and play, debating, photography, cooking, hair styling, mehendi competitions. Students also participate in the intercollege events.
- **Sports Activities:** Annual Sports Meet (Indoor/Outdoor) include Athletics, Field and Track, In-door and Out-door games . Also the students participate in the intercollege and state level sports activities as Badminton, Football, Cricket, Table tennis, chess etc.
- **Literary Activities:** Literary Writing, college Publications (i. e. Magazine)
- **National and International days** like Independence Day, Republic Day, as well as Teachers Day, Fresher's Day , Friendship day, Gandhi Jayati, Navratri , Saraswati Puja are observed.
- **National pharmacy week:** Students under the guidance of staff actively participate in the drug and health related awareness programs and talks.

8.6.3 Details of co-curricular & Extra-curricular activities:

Staff Incharges AY 2021-22

CULTURAL COMMITTEES 2021-2022

Sr. No.	Name of the Committee	Members of the Committee From Teaching Staff	Members of Committee Non-Teaching Staff (Assistants)	Members of Committee Non-Teaching Staff (Attendants)
01	Student Election Committee	Dr Nilambari ,Dr Pearl , Dr Mangirish	NA	NA
02	Fresher's Party	Ms Swati, Ms Gauri, Ms Ashwini, Ms Sarika	Ms Prassana, Ms Ameya	All
03	Inter/Intra College events or University events (Cultural)	Ms Saumya , Ms Gauri, Ms Chaitali	Ms Atita	All
04	Inter/Intra College events or University events (Sports)	Director of Sports & Physical Education , Mr Biradar	Ms. Brigita	Mr Sunil, Mr Sandesh, Mr Gokuldas
05	Annual Day	Dr. Godbole, Mr Sandesh Dr Leena , Dr Mangirish , Ms Sarika, Ms Kamakshi	All	All
06	Farewell Committee	Dr Celina, Mr Biradar, Ms Ashwini	Ms. Kirti Ms Atita	All
07	Magazine Committee	Dr Nilambari, Ms Kamakshi Mr Sandesh, Librarian	Ms. Brigita Ms. Atita	Mr Gokuldas, Mr Sandesh, Mr Sunil
08	Public Perception	Dr. Godbole , Dr Celina , Mr Sandesh , Ms Arti Ms Sarika	NA	NA
09	Publicity	Dr Celina, Ms Kamakshi, Librarian		
10	Extramural Activities	Mr Sandesh , Mr Pankaj, Mr Biradar	-	Mr Prakash

8.6.4 Student Council members AY 2021-22

The following are the members of the Students' Council for the academic year 2021-22.

Teacher in charge:

1. Dr. Mangirish Deshpande
2. Dr. Pearl Dighe
3. Dr. Nilambari Gurav

Students' Council Members:

Position	Student Name
General Secretary	Mast. Pawan Kumar Ravindra Bhandary
Cultural Secretary	Mast. Ashvesh Atul Jadhav
Sports Secretary	Mast. Anish Mohan Sawaikar
Magazine secretary	Miss. Kumud Bongale
Ladies Representative	Miss. Priyanka Ramesh Morakar

Class Representatives:

Class	Student Name
First Year B.Pharm	Mast. Piyush Mainekar
Second Year B.Pharm	Miss. Akansha Dhavlikar
ThirdYear B.Pharm	Miss. Simren Maryanne Fernandes
FinalYear B.Pharm	Miss. Ishika Kurade
First Year M.Pharm (Pharmaceutical Chemistry)	Miss. Vaibhavi Dessai
Second Year M.Pharm (Pharmaceutical Chemistry)	Miss. Vanessa Gracias
First Year M.Pharm (Pharmaceutics)	Miss. Shruti Xete Shirodker
Second Year M.Pharm (Pharmaceutics)	Miss. Shefali Phadte

9 GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES (100)

Total Marks 100.00

9.1 Organization, Governance and Transparency (50)

Total Marks 50.00

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

Institute Marks : 10.00

9.1 Organization, Governance and Transparency (50)

1. Governing Body

9.1.1.1 Governing Council till 19/02/2021

1. Shri. Ravi S. Naik –President- (MLA, Ex. Chief Minister of Goa State)
2. Shri. Prakash Dharvatker –Vice-President
3. Shri. Ritesh R. Naik – Secretary
4. Shri. R. G. Dessai – Treasurer
5. Shri. Mahesh Nagarsekar –Executive Committee Member
6. Shri. Kishor Naik - Executive Committee Member
7. Shri. Datta Naik - Executive Committee Member
8. Smt. Urmila Lotlikar - Executive Committee Member

9.1.1.2 Governing Council from 2021-2026 (5 years) from 20.02.2021

1. Shri. Ravi S. Naik –President (**Hon’ble Minister of Agriculture, Handicrafts & Civil Supplies, Govt. of Goa**)
2. Shri. DattaNaik –Vice-President
3. Shri. Ritesh R. Naik – Secretary
4. Shri. Prakash Balve – Treasurer
5. Shri. Mahesh Nagarsekar –Executive Committee Member
6. Shri. KishorNaik - Executive Committee Member
7. Smt. UrmilaLotlikar - Executive Committee Member
8. Smt.PallaviPatil - Executive Committee Member
9. Shri. Hrishikesh P. Dharvatker - Executive Committee Member

Functions and Responsibilities of the Governing Body

The Governing Council of Ponda Education Society is the principal organization of management of the College. It is the compact and homogenous body enabling it promptly to take and implement well considered decisions and to effectively handle crisis situations.

Responsibilities of the Governing Body:

The Governing Council shall be the principal executive body of the College and shall, in addition to all powers vested in it have the following powers namely:

- To manage and administer the revenues and properties of the College and to conduct all the administrative affairs of the College not otherwise specifically provided for.
- To create teaching and academic posts, to determine number, qualifications and cadres thereof as approved by the Goa University.
- To appoint Professors, Associate Professors/Readers, Assistant Professors/Lecturers and other academic staff, as may be necessary, on the recommendation of the Principal.
- To lay down the duties and conditions of services of the Professors, Associate Professors, Asst, Professors and other academic staff maintained by the College.
- To consider for appointment of Visiting and Contractual faculties.
- To create administrative, ministerial and other necessary posts in terms of the cadres laid down or otherwise and to make appointment thereof in consultation with the Principal on need basis.
- To grant leave of absence to the Principal.
- To regulate and enforce discipline among the employees of the College and take appropriate disciplinary action, wherever necessary.
- To manage and regulate the finance, accounts, investments, property and all other administrative affairs of the College and for that purpose to appoint agent or agencies, as it may deem fit.
- To entertain and adjudicate upon and, if thought fit, to redress any grievances of the employees and students of the College.
- To select an emblem and to have a common seal for the Society and to provide for the custody and use of such seal.
- To grant institute Fellowships including Travelling Fellowships, Scholarships, Studentships, Medals and Prizes in accordance with the bye-laws framed for the purpose.
- To amend and receive payment of fees and other charges.
- To appoint Auditors for the ensuing year.
- To manage the finances, accounts, movable properties and all other administrative affairs of the College.
- To purchase, take on lease or accept as gift or otherwise any land or buildings or works which may be necessary or convenient for the purpose of the Society, and, on such terms and conditions as it may deem fit and proper and to construct or alter and maintain any such buildings or works.
- To provide building or buildings, premises, furniture, fittings, equipments, appliances and other facilities required for carrying out the work of the College.
- To maintain proper accounts and other relevant records and prepare Annual Statements of Accounts including the Balance sheet for every previous financial year, in such a form as may be prescribed by the regulations/Bye-laws.
- To constitute, schemes for the benefit of the College, teaching, academic, technical, administrative and other staff, in such manner and subject to such conditions as may be prescribed by the Bye-laws such as pension, insurance, provident fund and gratuity as it may deem fit for the benefit of the employees of the College.
- To establish, maintain and manage hostels for the students of the College as per the requirement.
- The Governing Council of PES is the principal executive body of the College and shall have the powers to take any additional necessary decisions for the smooth and efficient functioning of the College.

Governing Council of Ponda Education Society Meeting Details

Year	Date of Meeting	Number of Meetings	Quorum
2018	06/01/2018	12	Full
	03/01/2018		
	07/04/2018		
	05/05/2018		
	02/06/2018		
	30/06/2018		
	21/07/2018		
	09/08/2018		
	01/09/2018		
	13/10/2018		
	03/11/2018		
	29/12/2018		
2019	19/01/2019	17	Full
	09/02/2019		
	18/02/2019		
	05/03/2019		
	20/03/2019		
	10/04/2019		
	04/05/2019		
	25/05/2019		
	08/06/2019		
	15/06/2019		
	29/06/2019		
	13/07/2019		
	03/08/2019		
	24/08/2019		
	19/10/2019		
	23/11/2019		
	14/12/2019		

2020	11/01/2020	13	Full
	08/02/2020		
	15/02/2020		
	22/02/2020		
	13/06/2020		
	27/06/2020		
	11/07/2020		
	08/08/2020		
	10/10/2020		
	07/11/2020		
	28/11/2020		
	06/12/2020		
	15/12/2020		
2021	09/01/2021	11	Full
	20/02/2021		
	06/03/2021		
	10/04/2021		
	12/06/2021		
	19/06/2021		
	26/06/2021		
	24/07/2021		
	14/08/2021		
	23/10/2021		
	13/11/2021		

9. Constitution & Function of Program Assessment Quality Improvement Committee (PAQIC)

9.1.1.3 Constitution & Function of Program Assessment Quality Improvement Committee (PAQIC) (2016-2019)

Constitution

Designation	Name
Chairperson	Dr. S. N. Mamledesai (Principal)
Member	Dr. Celina Nazareth (Senior Teacher)
Member	Ms. Suwarna Bobde (Academic Supervisor)
Member	Mr. Pankaj Gajare (Examination in-charge)
Member	Dr. Shilpa Bhilegaonkar (NBA Co-ordinator)
Member	Mrs Leena Sawaikar (Assistant NBA Co-ordinator)
Member	Mrs. Mayura Dharvatker (Office Representative)
Member	Ms. Prachita Gauns Dessai (Student Representative)

	Invitees as required
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Constitution & Function of Program Assessment Quality Improvement Committee (PAQIC) (2019-2022)**Constitution**

Designation	Name
Chairperson	Dr. S. N. Mamledesai (Principal)
Member	Dr. Celina Nazareth (Senior Teacher)
Member	Ms. Suwarna Bobde (Academic Supervisor)
Member	Mr. Pankaj Gajare (Examinations in-charge)
Member	Dr. Shilpa Bhilegaonkar (NBA Co-ordinator)
Member	Dr. Nilambari Gurav (Assistant NBA Co-ordinator)
Member	Mrs. Mayura Dharvatker (Office Representative)
Member	Ms. Shefali Phadte (Student Representative)
	Invitees as required

Functions

1. To Frame policies and procedures that help to maintain an academic assessment process and implementation thereof.
2. To assist academic, examination and research units of other department with assessment pertaining to student learning and development.
3. To invite qualified personnel to enrich the deficient areas of teaching learning process for development of efficient teaching methodology.
4. Organization of inter or intra institutional workshops, seminars on quality related themes.
5. To assist in the purchase process with regards to books and journals, equipments, chemicals and solvents, and assist in framing the annual budget of the college.
6. Arrangement of feedback responses from students, parents and other stake holders on quality related institutional process.
7. Documentation of various programs/activities of the college leading to quality improvements.

9.1.1.4 Internal Quality Assurance Cell (IQAC)

- The IQAC was established in our College on 30th October 2013 as per Goa University circular SA 20 (C) (9).

Composition

<u>Designation</u>	<u>Name</u>
Chairman	Dr. S. N. Mamle Desai
Member	Dr. Celina Nazareth
Member	Dr. Shilpa Bhilegaonkar
Coordinator	Miss. Suwarna Bobde
Senior Administrative Staff	Ms. Mayura Dharvatker

External Member	Mr. SalimVeljee
External Member	Mr. Sanjay Priolkar

Objectives:

- To ensure quality of teaching learning skills, infrastructure and facilities.
- To interact with students, teachers and management to ensure co-ordination

for quality maintenance.

- The IQAC team analyzes and ensures if the facilities given to the students are adequate or not.
- IQAC team is always receptive to new ideas generated for improvement in the

quality of education and research.

Functions

- To prepare annual academic calendar of the institution
- To co-ordinate in the preparation of individual time table & lesson plan
- To conduct periodic meetings
- To facilitate the process of documentation
- To review students' progress and support services

Dates of Meeting

Year	Date of Meeting	No. of Internal members attended	No of External members attended
2019-20	12/08/2020	11	02
2020-21	16/07/2021	09	01
2021-22	17/06/2022	09	01

9.1.1.5 Research & Development Committee**R & D Committee (2018-19 onwards)****Constitution**

Sl. No	Committee Members	Designation
1.	Dr. S.N. Mamledesai , Principal & Professor Department of Pharmaceutical Chemistry	Chairman
2.	Dr. Shilpa Bhilegaonkar , Assistant Professor of Department of Pharmaceutics	Member
3.	Mr. Bheemanagouda Biradar , Assistant Professor Department of Pharmacology Convener from 01.07.2018 to 01.09.2019	Member
4.	Mrs. Pearl Dighe , Assistant Professor Department of Pharmaceutics	Member
5.	Dr. Nilambari Gurav , Assistant Professor Department of Pharmacognosy	Convener From 02.09.2019

Preamble:

Research and development (R & D) is an integral part of any educational institution and is very essential in maintaining a quality of higher education. R & D aids teachers to meet the educational needs of students and society at large. Keeping this in view, PES's Rajaram and Tarabai Bandekar College of Pharmacy, Farmagudi has constituted a Research and Development Committee to design, assess and advice on all the matters related to the strategies involved in the implication of research activities. The committee facilitates building quality in student's education and training in terms of research. The committee aims at maintaining a beneficial and up-to-date research strategy keeping in view the current societal and global scenario.

Objectives of the committee:

1. To ensure the scientific and ethical quality of R & D Projects.
2. To ensure that the R & D program is in line with the research areas of thrust in recent times.
3. To ensure that the outcomes of the research activities undertaken will cater to the needs of the healthcare system and society at large.
4. To ensure the growth and overall development of students in research.

Functions, Roles & Responsibilities:

1. To oversee all research activities and ensure the effective operation of the research program.
2. To make appropriate recommendations to the Management based on the Committee's evaluation and oversight of the research program.
3. Each member needs to supervise the research facilities and ongoing research projects in their respective departments.
4. To plan and develop broad objectives of the research projects undertaken.
5. To assess the progress of the research project at regular time durations.
6. To determine the extent to which the R & D projects have met its objectives.
7. To suggest any recommended changes or improvements to be made in the ongoing research program.
8. To ensure the safety of research personnel in research laboratories.
9. To annually review the existing R & D programs, and to write a report of their progress and achievements of objectives in said time duration and research outcomes in the institution.

R & D Committee meeting details:

Year	Date of Meeting	Number of Internal members attended	Number of External members attended
2018-19	23-09-2019	4	Nil
2019-20	16-03-2020	4	Nil
2020-21	13-07-2021	4	Nil

9.1.1.6 Library committee

Constitution

SL. No	Names	Designation
1	Dr. S. N. Mamle Desai	Chairperson
2	Mrs. Prayangi Matonkar (till 05/10/2021) Ms. Supriya S. Naik (from 03/01/2022)	Member Secretary
3	Dr. A. M. Godbole	Member
4	Dr. Celina Nazareth	Member
5	Dr. Shilpa Bhilegaonkar	Member
6	Mr. Mangirish Deshpande	Member
7	Dr. Nilambari Gurav	Member
8	Ms. Sweta Prabhu	Student Member (B. Pharm)
9	Mast. Suresh Mandora	Student Member (B. Pharm)
10	Miss Aneka Sangavkar	Student Member (M. Pharm)

The duties of the committee are as follows:

- i. To provide for proper improvement and modernization of the library, documentation services and updating the stock of books.
- ii. To provide for proper modernization and improvement of library and documentation services.
- iii. To recommend library fees and other charges for the use of library services by students and others.
- iv. To establish intra library loan service for the benefits of the faculty and students.
- v. To prepare annual budget and proposal for development of the library.
- vi. To procure books and journals including e-books and e-journals.
- vii. To allocate budget to the departments.

Library Committee meeting details:

Year	Date of Meeting	Number of internal members attended	Number of external members attended
2019	08/11/ 2019	09	-
2020	27/10/ 2020	07	-
	14/12/2020	08	-
2022	14/03/ 2022	10	-

9.1.1.7 Institutional Animal Ethics Committee (IAEC)

The Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA) has accepted the following members recommended by the institution:

SL.No.	Name of the IAEC Member	Designation in the IAEC
1.	Dr. S.N. Mamle Desai	Chairperson
2.	Dr. M.N Deshpande	Member Secretary, Scientist in charge of Animal House facility
3.	Mr. B.S. Biradar	Biological Scientist
4.	Dr. Nilambari Gurav	Scientist from different biological discipline
5.	Dr. Rajendra Hari Prabhugaonkar	Veterinarian

9.1.1.8 CPCSEA hereby nominated the following members to the IAEC of the institute:

SL.No.	Name of the IAEC Member	Designation in the IAEC
1.	Dr. Vishnu Kangralkar	Main Nominee
2.	Dr. Kartikeyan M	Link Nominee
3.	Dr. Chandrashekhar K	Scientist from outside the Institute
4.	Dr. Arvind Gulbake	Socially Aware Nominee

IAEC has been designed to secure the following objectives:

- Every experiment shall be performed by or under the supervision of a person duly qualified in that field, that is, Degree holders in Veterinary Science or Medicine or Laboratory Animal Science of a University or an Institution recognised by the Government for the purpose and under the responsibility of the person performing the experiment;
 - That experiments are performed with due care and humanity and as far as possible experiments involving operations are performed under the influence of some anaesthetic of sufficient power to prevent the animals from feeling pain;
 - That animals who, in the course of experiments under the influence of anaesthetics, are so injured that their recovery would involve serious suffering, are ordinarily medically allowed to death while still under influence of anaesthetic;
 - That experiments on animals are avoided wherever it is possible to do so.
 - That experiments on larger animals are avoided when it is possible to achieve same results by experiments on small laboratory animals like guinea-pigs, rabbits, mice, rats etc.
-
- That, as far as possible, experiments are not performed merely for the purpose of acquiring manual skill;
-
- That animals intended for the performance of experiments are properly looked after before, during and after experiments;
-
- That suitable records are maintained with respect to experiments performed on animals

Functions of IAEC

As defined in “Breeding of and Experiments on Animals (Control and Supervision) Rules, 1998”

“Institutional Animals Ethics Committee (IAEC)” means a body comprising of a group of persons recognized and registered by the Committee for the purpose of control and supervision of experiments on animals performed in an establishment which is constituted and operated in accordance with procedures specified for the purpose by the Committee;

The primary duty of IAEC is to work for the achievement of the objectives as mentioned above. IAEC should focus mainly on ensuring ethical and methodical handling of animals during and after experiments, so that they have less suffering.

IAEC will review and approve all types of protocols for research involving small animal experimentation before the start of the study. For approval of experimentation on large animals, the case is required to be forwarded to CPCSEA in prescribed manner with recommendation of IAEC.

IAEC is required to monitor the research throughout the study and after completion of study, IAEC shall obtain the periodic reports on research development and shall ensure visit to animal house facility and laboratory where the experiments are conducted. The committee has to ensure compliance with all regulatory requirements, applicable rules, guidelines and laws.

IAEC Meeting details

Year	Date of Meeting	Number of internal members attended	Numbers of External members attended
2022	15/01/2022	5	3
2021	10/07/ 2021	5	3
2020	18/02/ 2020	5	3
2019	24/04/ 2019	4	2
2018	31/01/ 2018	5	3
	14/01/ 2018	5	3

2017	28/01/ 2017	5	1
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9.1.1.8 ANTI DISCRIMINATION CELL**Committee Composition**

1. Ms. Sangeeta Gaonkar - Chairperson
2. Mr. Gokuldas Gaonkar - memeber
3. Mrs. Amita Priolkar - member
4. Mrs. Siya Gaude - member
5. Mr. Suryakant Gaude - member

Objectives of the Committee:-

The Committee has been constituted in accordance with UGC Regulations 2012 (Promotion of equality in higher educational Institutions & Grievances Redressal). The Commitee members mentioned above have to look after the students & staff matters pertaining to discrimination.

The cell will look into the matters like discrimination a student or group of students on the basis of caste, creed, religion, language, ethnicity, gender, discriminity of access etc.

The cell will try to safeguard the interest of the students & staff without any prejudice to their caste, creed, religion etc. and eliminate discrimination against a harassment of any student in all forms, as well as to promote equality among students of all sections, the sovereignty at PES's Rajaram & Bandekar College of Pharmacy.

ANTI DISCRIMINATION CELL

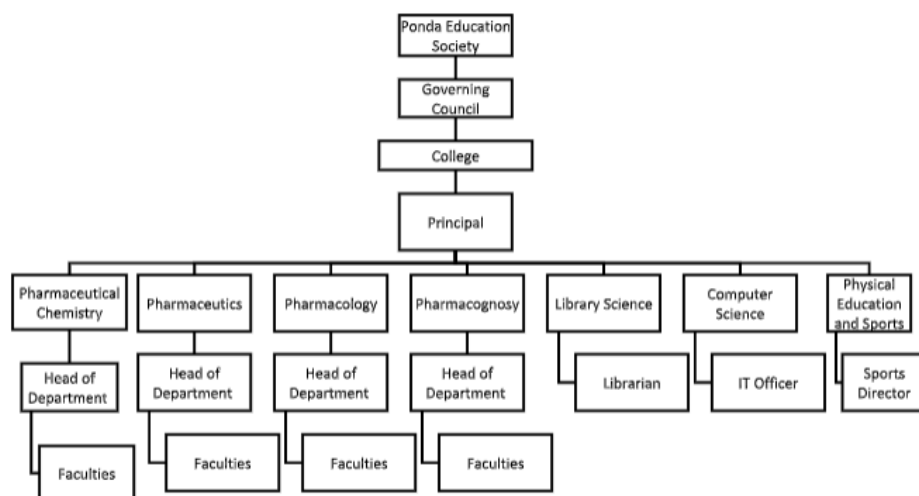
Year	Date of Meeting	No. of Members Attended	Cases Reported
2018	05/07/ 2018	05	Nil
2019	17/07/ 2019	05	Nil
2020	22/07/ 2020	04	Nil
2021	12/07 2021	04	Nil

9.1.2 Decentralization in working and grievance redressal mechanism (15)

Institute Marks : 15.00

9.1.2. Decentralization in working and Grievance Redressal Mechanism (15)**Decentralization in working**

Structure of academic and administrative governance

**Grievance Redressal Committee**

Sr. No.	Name	Designation
1	Dr. S. N. Mamle Desai	Principal (Head of the Institution)
2	Mr. A. M. Deshmukh	Ombudsperson
3	Dr. Pearl Dighe	Senior Teacher
4	Dr. Mangirish Deshpande	Senior Teacher
5	Ms. SoniyaPhadte	Senior Teacher
6	Mast. Harsh Patel	Student Member (B.Pharm)
7	Miss. Larissa Gomes	Student Member (M.Pharm)

Grievance Redressal Mechanism

The students are the primary stakeholders in any educational institution, and it is our responsibility to ensure transparency in all activities. The grievances mainly encompass the following complaints of the aggrieved students-

- **Academic grievances:** Related to charging of fees, attendance, teaching methods, completion of syllabus, examination, assessment and grievances related to victimization
- **Non-academic grievances:** Harassment by students/colleagues/teachers, complaints regarding classroom management

Complaints by the students, parents or teachers can be made orally, in writing to the Principal/staff or through the online grievance redressal system / mechanism. Link is www.pespharma.com/grievance/ (<http://www.pespharma.com/grievance/>)[aut/login](http://www.pespharma.com/grievance/aut/login) from 26/02/2019. The complaint is resolved by discussing with the committee members and then the appropriate corrective measures are taken.

9.1.3 Delegation of financial powers (15)

Institute Marks : 15.00

9.1.3 Delegation of Financial Powers (15)

The authority for utilizing the budgetary allocation of funds is given to the Head of the institution. The Management of Ponda Education Society is responsible for deciding the budget allocation. The budget involves utilization of funds for maintenance, purchase of equipments, consumables and other miscellaneous expenses. The Management examines the requirements submitted by the institution and the approvals are given with or without modifications. In case there is a need for additional funds other than the budgetary allocation, the Head of the institution will have to request Management of Ponda Education Society. Based on the requirements all Head of Departments and conveners are made aware of financial budget allocation and utilization of allotted money.

Year	Date of Meeting	No. of members present
2018	03/02/2018	8
2019	09/02/2019	9
2020	08/02/2020	7
2021	20/02/2021	8
2022	21-02-2022	8

9.1.4 Transparency and availability of correct/unambiguous information in public domain (10)

Institute Marks : 10.00

9.1.4 Transparency and availability of correct/unambiguous information in public domain (10)

The College official website www.pespharma.com (<http://www.pespharma.com/>) gives all information pertaining to College which are as follows:

1. Administrative Flow Chart and contact details
2. Approvals from all regulatory and statutory bodies
3. Mandatory Disclosures as per the directives
4. Online Grievance Redressal Mechanism
5. Link for Anti-ragging and Gender Sensitization Committee Grievances
6. Programmes offered and their eligibilities and Govt. approved Fee Structure, Academic details and facilities
7. Faculty- Department wise
8. Achievements – staff and students
9. Placement & Training
10. News Gallery

9.2 Budget Allocation, Utilization, and Public Accounting at Institute level (30)

Total Marks 30.00

Total Income at Institute level: For CFY,CFYm1,CFYm2 & CFYm3

CFY : (Current Financial Year),

CFYm1 : (Current Financial Year minus 1),

CFYm2 : (Current Financial Year minus 2) and

CFYm3 : (Current Financial Year minus 3)

Table 1 - CFY 2021-2022

Total Income 35660940				Actual expenditure(till...): 26955104			Total No. Of Students 355
Fee	Govt.	Grants	Other sources(specify) Institutional Fees+ Cancellation Charges	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
35318940	0	0	342000	19956298	6998806	0	75929.87

Table 2 - CFYm1 2020-2021

Total Income 19197225				Actual expenditure(till...): 25417182			Total No. Of Students 305
Fee	Govt.	Grants	Other sources(specify) Cancellation Charges	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
19182225	0	0	15000	19820054	5597128	0	83335.02

Table 3 - CFYm2 2019-2020

Total Income 26100805				Actual expenditure(till...): 23463823			Total No. Of Students 255
Fee	Govt.	Grants	Other sources(specify) Institutional Fees+ Cancellation Charges	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
25755500	0	0	345305	17342547	6121276	0	92014.99

Table 4 - CFYm3 2018-2019

Total Income 23371300				Actual expenditure(till...): 21513854			Total No. Of Students 246
Fee	Govt.	Grants	Other sources(specify) Institutional Fees+ Cancellation Charges	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
23073500	0	0	297800	14758025	6755829	0	87454.69

Items	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till	Budgeted in 2020-2021	Actual Expenses in 2020-2021 till	Budgeted in 2019-2020	Actual Expenses in 2019-2020 till	Budgeted in 2018-2019	Actual Expenses in 2018-2019 till
Infrastructure Built-Up	1270000	1238058	740000	342644	980000	539259	745000	172205
Library	675000	384169	665000	221210	485000	530866	785000	128948
Laboratory equipment	2400000	190157	2000000	102518	1000000	296527	1000000	195909
Laboratory consumables	2500000	1706982	1600000	697106	1500000	1042022	1600000	1224697
Teaching and non-teaching staff salary	32000000	22743337	28000000	23719804	24000000	20785880	23400000	19350745
Maintenance and spares	3680000	5331490	3250000	5198924	2580000	5518086	1550000	5495453
R&D	0	0	0	0	0	0	0	0
Training and Travel	300000	40517	200000	57476	260000	93388	250000	86310
Miscellaneous expenses*	365000	546659	508000	375000	479000	363900	410000	636034
Others, Administrative	2160900	3075195	1890900	2453006	1951050	3517234	2115250	5077340
Total	45350900	35256564	38853900	33167688	33235050	32687162	31855250	32367641

9.2.1 Adequacy of budget allocation (10)

Institute Marks : 10.00

Every year the Budget is allocated as per the needs of institution by taking into account the income and expenditure estimated for that particular financial year. The budgetary requirement for the academic year is prepared in the month of December/ January every year and is approved by members of the governing council. Based on the estimated income of the institution, the budget under recurring, nonrecurring and miscellaneous are allotted for purchase of instruments, books, furniture, chemicals, glassware, equipment and other requirements. The requirements are discussed with the principal and sent to the management. Members of governing council approves the budgetary allocation by the month of February-March every year. The budget allocation is based on previous year expenditure, inflation and planned expenditure for next financial year. Additional expenditures on the basis of 5-10% increase in recurring expenditures are considered. Any unplanned or excess expenditure other than the allotted budget is done on instructions of management. On review of budget utilization, it is observed that budget utilization is nearly equal to (CFYm3) or mostly lower (CFYm2, CFYm1 and CFY) than budget allocated, proving the adequacy of the budget.

9.2.2 Utilization of allocated funds (15)

Institute Marks : 15.00

Details regarding the utilization of the allocated funds during the last three years are given below. The entire budget was utilized in all three years and whenever we exceeded the allotted budget, necessary approval was taken.

Recurring Budget

Sr. No.	Financial Year	Funds Allocated	Funds utilized	% of utilization
1	2018-19	25710000	21082893	82.00%
2	2019-20	26250000	22459295	85.56%
3	2020-21	30300000	24775068	81.77%
4	2021-22	35060000	24945373	71.15%

Non-Recurring Budget

Sr. No.	Financial Year	Funds Allocated	Funds utilized	% of utilization
1	2018-19	6130500	9651185	157.43%
2	2019-20	6971900	8744681	125.43%
3	2020-21	8572200	6996411	81.62%
4	2021-22	10101100	8748508	86.61%

9.2.3 Availability of the audited statements on the institute's website (5)

Institute Marks : 5.00

Audited statements are not available on institutes website.

9.3 Library and Internet

It is assumed that zero deficiency report was received by the institution, Effective availability and utilization to be demonstrated. (20)

Total Marks 20.00

9.3.1 Quality of learning resources (hard/soft) (10)

Institute Marks : 10.00

The library has a collection of 8178 number of books, including reference books and textbooks for the benefit of students as a learning resource. Each student will be issued three textbooks for seven days and reference books are made available for use during the working hours. There is a book bank facility for SC and ST students for the entire term wherein two books per student are issued to them. The college has collection of e-books containing 63 titles. College has subscription to IPC package of e-journals of DELNET Consortium, where scientific journals can be accessed free of cost. College also has collection of 16 print versions of scientific journals. To update our students knowledge on day to day affairs and on sports news, we subscribe to three newspapers and one sports magazine. To upgrade our student's knowledge for competitive examination we subscribe to Competition Success Review magazine and for job opportunities, employment news is available on the shelf.

9.3.2 Internet (10)

Institute Marks : 10.00

Name of the Internet provider	BSNL
Available band width	100 mbps
WiFi availability	No
Internet access in labs, classrooms, library and offices of all Departments	Classroom, Library, Office, Faculty rooms, Auditorium and Conference room
Security arrangements	No

Annexure I
(A) PROGRAM OUTCOME (POs)
ANNEXURE I: PROGRAM OUTCOMES

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

Declaration

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

- I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines in force as on date and the institutes shall fully abide by them.
- It is submitted that information provided in this Self Assessment Report is factually correct.
- I understand and agree that an appropriate disciplinary action against the Institute will be initiated by the NBA. In case, any false statement/information is observed during pre-visit, visit, postvisit and subsequent to grant of accreditation.

Head of the Institute

Dr. Shivalingrao N. Mamle

Name : Desai

Designation : Professor and Principal

Signature :



Seal of The Institution :



Place : Farmgudi, Ponda-Goa.

Date : 23-07-2022 11:03:52

