SELF ASSESSMENT REPORT (e-SAR)

FOR ACCREDITATION OF
UNDERGRADUATE PHARMACY PROGRAM
(B.PHARMACY)

FIRST TIME ACCREDITATION

Submitted to

NATIONAL BOARD OF ACCREDITATION

NBCC Place, 4th Floor East Tower, Bhisham Pitamah Marg,
Pragati Vihar, New Delhi 110003

By

MULA EDUCATION SOCIETY's
COLLEGE OF PHARMACY, SONAI
TALUKA-NEWASA DIST-AHMEDNAGAR
MAHARASHTRA-414105
Permanently affiliated to Savitribai Phule Pune University
Phone No: - 02427- 295948
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MULA EDUCATION SOCIETY'S

COLLEGE OF PHARMACY, SONAI

Tal. Newasa, Dist. Ahmednagar Pin - 414105 Ph. No. 02427-295948
Web. www.mespharmacy.org E-mail. mescopsonai@gmail.com

Dr. V.K. Deshmukh
Principal

Shri. Prashant Patil Gadakh
President

Ref. No. MES/COP/280/2024-22 Date : 30/11/2024

To

The Member Secretary,
National Board of Accreditation,
4th Floor East Tower,
NBCC Place Bhishma Pitamah Marg,
Pragati Vihar, New Delhi 110003

Subject: Submission of the e-Self Assessment Report (e-SAR) of UG program (B. Pharmacy) –Institutional Assessment and Accreditation by NBA- Regarding.

Reference: Application No.4567-03/02/2020

Respected Sir/Madam,

With respect to the subject and reference cited above, herewith we are submitting the Self Assessment Report (SAR). The above said SAR has been uploaded in the NBA website (www.nbaind.org) and also in our college website (www.mespharmacy.org)

Self Assessment Report for Mula Education Society's College of Pharmacy, Sonai has hereby submitted for your kind consideration for Institutional assessment and accreditation by NBA through the peer team.

Kindly acknowledge it and process the same.

Thanking you,

Yours faithfully
DR. V. K. DESHMUKH
M.Pharm.PhD
PRINCIPAL
MES's College of Pharmacy, Sonai
Tal. Newasa, Dist. Ahmednagar (MH)

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PART A
Institutional Information

PART A: Institutional Information

1. **Name and Address of the Institution** : **Mula Education Society's College of Pharmacy, Sonai**
Tal- Newasa Dist- Ahmednagar
Maharashtra- 414105

2. **Name and Address of the Affiliating University:** **Registrar,**
Savitribai Phule Pune University, Pune.
Address:Ganeshkhind Pune
State:- Maharashtra, Pin Code:-411007
Website:-www.unipune.ac.in
STDCode:-020
Phone No:-25697388

3. **Year of Establishment of theInstitution** : **2004**

4. **Type of theInstitution** :

University	☐
Deemed University	☐
Autonomous	☐
Affiliated	☑
Any Other (Please specify)	☐

5. **OwnershipStatus** :

Central government	☐
State Government	☐
Grant-in-aid	☐
Self-financing	☑
Trust	☐
Society	☑
Section 25 Company	☐
Any Other (Please specify)	☐

6. Other Academic Institutions of the Trust/Society/etc., ifany:

Name of the Institution(s)	Year of Establishment	Programsof Study	Location
Mula Education Society's ShriDnyaneshwarMahavidyalaya, Newasa	1968	Arts, Commerce, Science, BBA(CA)	Newasa
Mula Education Society's Arts Commerce and Science College Sonai	1989	Arts, Commerce, Science, BBA, BBA(CA)	Sonai
Mula Education Society's Mula Rural Institute of Pharmacy, Sonai	2003	Diploma in Pharmacy	Sonai
Mula Education Society's College of Agriculture , Sonai	2003	Bachelor of Agriculture	Sonai
Mula Education Society's Sharda College of Pharmacy, Vadgaongupta, Ahmednagar	2019	Diploma in Pharmacy	Ahmednagar

7. Details of all the programs being offered by the Institution underconsideration:

Sr. No.	Program Name	Year of Start	Intake	Increase in intake, if any	Year of increase	AICTE Approval	Accreditation Status*
1.	B. Pharmacy	2004	60	-	-	Yes	**Applying first time**
2.	M.Pharmacy	2012	18	-	-	Yes	Eligible but not applied
3.	D.Pharmacy	2019	60	-	-	Yes	Not eligible foraccreditation

**** Write applicable one:***

- **Applying firsttime**
- Granted accreditation for two/three years for the period(specifyperiod)
- Granted accreditation for 5/6 years for the period (specifyperiod)
- Not accredited (specify visit dates,year)
- Withdrawn (specify visit dates,year)
- Not eligible foraccreditation
- Eligible but not applied

8. Programs to be considered for Accreditation vide this application:

S. No.	Program Name
1.	B. Pharmacy

9. Total number ofemployees:

a. Regular*Faculty andStaff:

Items		2020-21 CAY		2019-20 CAYm1		2018-19 CAY*m*2		2017-18 CAY*m*3	
		Min	Max	Min	Max	Min	Max	Min	Max
Faculty in Pharmacy	M	13	13	13	13	13	13	14	14
	F	07	07	07	07	05	05	04	04
Faculty in Sciences & Humanities	M	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-
Non-teaching staff	M	25	25	25	25	23	23	22	22
	F	01	01	01	01	-	-	-	-

* ***Note:*** **Minimum 75% should be Regular/Full Time faculty and the remaining shall be Contractual Faculty as per AICTE norms andstandards.**

The contractual faculty (doing away with the terminology of visiting/adjunct faculty, whatsoever) who have taught for 2 consecutive semesters in the corresponding academic year on full time basis shall be considered for the purpose of calculation in the Student Faculty Ratio.

CAY – Current Academic Year
CAYm1- Current Academic Year minus1= Current Assessment Year
CAYm2 - Current Academic Year minus2=Current Assessment Year minus 1

b. Contractual Staff (Not covered in TableA):

Item		2020-21 CAY		2019-20 CAY*m*1		2018-19 CAY*m*2		2017-18 CAY*m*3	
		Min	Max	Min	Max	Min	Max	Min	Max
Faculty in Pharmacy	M	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-
Faculty in Science & Humanities	M	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-
Non-teaching staff	M	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-

10. Total number of Pharmacy students:

a. *UG Program Shift -1*

Student Numbers	CAY 2020-21	CAYm1 2019-20	CAYm2 2018-19	CAY*m*3 2017-18
Total no. of boys	111	108	111	123
Total no. of girls	164	157	143	142
Total no. of students	**276**	**265**	**254**	**265**

b. *PG Program Shift -1*

Student Numbers	CAY 2020-21	CAYm1 2019-20	CAYm2 2018-19	CAY*m*3 2017-18
Total no. of boys	12	06	09	18
Total no. of girls	19	09	06	09
Total no. of students	**31**	**15**	**15**	**27**

c. *Diploma Program Shift -1*

Student Numbers	CAY 2020-21	CAYm1 2019-20	CAYm2 2018-19	CAY*m*3 2017-18
Total no. of boys	48	25	0	0
Total no. of girls	71	35	0	0
Total no. of students	**129**	**60**	**0**	**0**

(Instruction: The data may be categorized in tabular form in case institute runs UG, PG and doctoral programs, Please prepare separate table for each level, if applicable)

11. Vision of the Institution:

"Serving society through Excellence in Pharmacy Education, Research and Training"

12. Mission of the Institution:

M1: To become Centre of excellence in Pharmacy Education.

M2: To promote innovative teaching-learning and research with the state-of-art Infrastructure.

M3: To serve the community by creating awareness about healthcare issues.

M4: To empower young minds with value based education, leadership, communication and Entrepreneurial skills.

M5: To be the interface between industry, academics and Society.

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

i. Name : Dr. V.K. Deshmukh
Designation : Principal,
MES, s College of Pharmacy, Sonai
Tal- Newasa Dist-Ahmednagar -414105
Mobile no. : +91 7720013333
Email id : vkd2425@gmail.com

ii. NBA coordinator, if designated:

Name : Dr. P.B. Mohite
Designation : Professor& Head
Department of Pharmaceutical Chemistry,
MES,s College of Pharmacy, Sonai
Tal- Newasa Dist-Ahmednagar -414105
Mobile no. : +91 8766714041
Email id : mohitepb@gmail.com

PART B: Criteria Summary

Name of the program: B. Pharmacy

Criteria No.	Criteria	Total Marks	Institute Marks
1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	50	50
2	PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES	150	150
3	COURSE OUTCOMES (COS) AND PROGRAM OUTCOMES (POS)	100	100
4	STUDENTS' PERFORMANCE	180	140.09
5	FACULTY INFORMATION AND CONTRIBUTIONS	175	135.32
6	FACILITIES	120	120
7	CONTINUOUS IMPROVEMENT	75	71.41
8	STUDENT SUPPORT SYSTEMS	50	50
9	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	100	100
	Total	1000	916.82

CRITERION 1
Vision, Mission and Program Educational Objectives

CRITERION 1	Vision, Mission and Program Educational Objectives	50

1.1. State the Vision and Mission (5) Self-assessment Marks: 5

Vision of the Department :
• "Serving Society through Excellence in Pharmacy Education, Research and Training"

Mission of the Department :
• M1: To become Centre of excellence in Pharmacy Education. • M2: To promote innovative teaching-learning process with the state-of-art Infrastructure. • M3: To serve the community by creating awareness about healthcare issues. • M4: To empower young minds with value based education, leadership, communication and Entrepreneurial skills. • M5: To be the interface between industry, academics and healthcare system.

In order to realize our vision, we have clearly defined our mission with long, medium and short term objectives. Our key objectives are creating **"centre of excellence", "competent, skilled manpower" with high degree of "credibility, integrity, ethical standards and social concerns".**

Strategies to achieve these objectives include:

1. Evolve institutional objectives, which would be in consonance with the national goals and health policies,
2. Creating the state-of-art infrastructure for research and academic program delivery,
3. Expand the role of teachers as facilitators and motivators in imparting knowledge tostudents.
4. Establish as an institution for faculty development, preparation of learning resources and for improving evaluation methods,
5. Encourage and facilitate Industry-Academia interaction and research in the area of Pharmaceutical sciences.

1.2. State the Program Educational Objectives (PEOs) (5) Self-assessment Marks: 5

Program Educational Objectives
• **PEO1**: Graduates of the program shall be having strong knowledge and skills in pharmaceutical sciences and able to use these tools in Pharmaceutical industry, Community, Hospital Pharmacy and/or institutes wherever necessary for success. • **PEO2:** Technically sound, competent and mentally robust along with critical thinking, planning and analyzing abilities to excel in career. • **PEO3:** To nurture striving desire in students for higher education and career growth. • **PEO4:** To promote professionalism, teamwork spirit, effective communication, social and ethical commitments to boost leadership role assisting improvement in healthcare issues of society.

1.3. Indicate where and how the Vision, Mission and PEOs are published and disseminated among stakeholders (15) Self-assessment Marks: 15

(Describe where (websites, curricula, posters etc.) the Vision, Mission and PEOs are published and detail the process which ensures awareness among internal and external stakeholders with effective process implementation)
(Internal stakeholders may include Management, Governing Board Members, faculty, support staff, students etc. and external stakeholders may include employers, industry, alumni, funding agencies, etc.)

Various efforts have been made to ensure that the Vision and Mission are effectively published and disseminated to all internal and external stakeholdersthrough the following methods.

- **Print Media:** College brochure, Lab records, lab manuals and attendance book.
- **Electronic Media**: College website www.mespharmacy.org,E-mail signature, Face bookpage
- **Display Boards:** Notice boards, exclusive display boards in Principal chamber, administrative office, classrooms,Library, Departmental laboratories, Staffroom, HoD Chambers and Boys & Girls common room.
- **Direct Communication:**An induction program tofresher's/parents, Faculty meeting at the start of academic year,Alumni Meet.

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The college makes several efforts to ensure that the PEOs are communicated effectively toall stakeholders, namely students, faculty, parents, industry, alumni, management, etc.

The PEOs are published and disseminated through the following methods.

- **Print Media:** College brochure, Lab records, lab manuals and attendance book.
- **Electronic Media:** College website www.mespharmacy.org , E-mail signature, Face book page and E-newsletter.
- **Display Boards:** Notice boards, exclusive display boards in Principal chamber, administrative office, classrooms, Library, Departmental laboratories, Staffroom, HoD Chambers and Boys& Girls common room.
- **Direct Communication:** An induction program to fresher's/parents, Faculty meeting at the start of academic year, Alumni Meet.

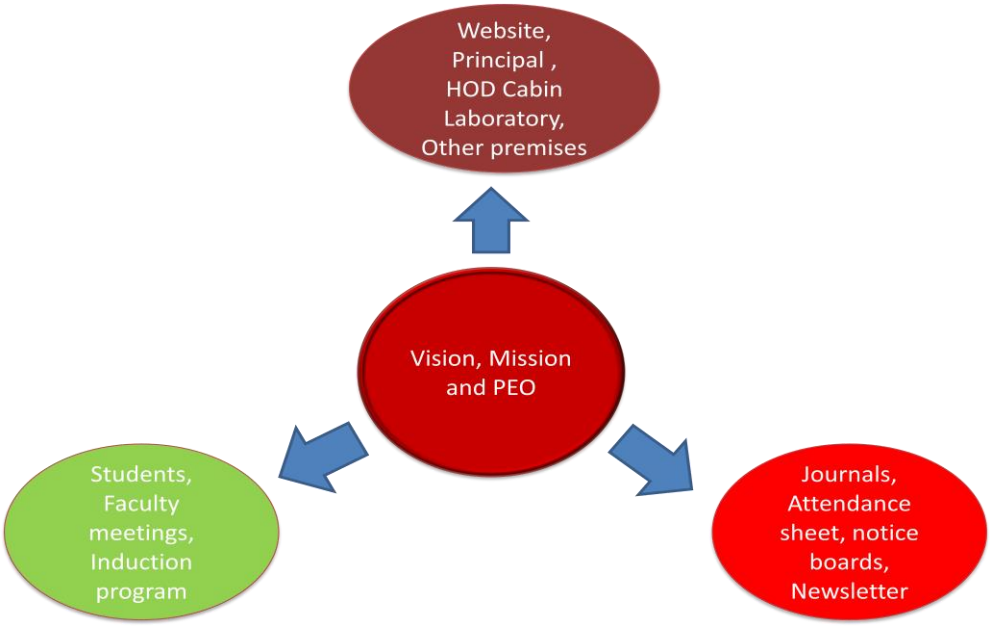


Fig. Publication and Dissemination of Vision, Mission and PEO to different stakeholders

A) The Vision, Mission and PEO's are effectively communicated and disseminated to all internal stakeholders in order to create awareness to internal stakeholders

Sr. No	Internal Stakeholders	Vision, Mission and PEO's publication
1.	Management	Discussions in management meetings, Admission Brochure, e-Newsletter, Seminar and conference brochures
2.	Faculty	Departmental display, Course file, attendance sheet, Seminar and conference brochures, e-Newsletter, Faculty Meetings
3.	Students	Admission Brochure, Laboratory records, library, Classroom, Training and placement cell, Induction program, Fresher's and farewell parties, e-Newsletter, Seminar and conference brochure, Corridors
4.	Support staff	Administrative office, Laboratory, Corridors

B) The Vision, Mission and PEO's are effectively communicated and disseminated to all internal stakeholders through appropriate channels in order to create the awareness to external stakeholders

Sr. No	External Stakeholders	Vision, Mission and PEO's publication
1.	Parent	Admission Brochure, Parent meet, Email Signature, Facebook page
2.	Alumni	Alumni Meet, Seminar and conference brochure, Email Signature , Facebook page
3.	Industry	Seminar and conference brochure Email Signature, Facebook page
4.	Employer	Seminar and conference brochure, Email Signature, Facebook page

- **Common display for internal and external stakeholders:**

All corridors of Institute, Principal cabin, Office, HoD cabin, Seminar Hall, Classroom, Library, College notice board, College website and staffrooms.

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

Self-assessment Marks: 10

The college has established the vision and mission through a consultative process involving the stakeholders of the institute,

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

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

Step 2: Views were taken from various stakeholders of the college such as faculty, industry, management, studentsand parents.

Step 3: The accepted views were analysed and reviewed for their consistency and used in framing Vision and Mission of the Institute.

Step 4: Amendments in Vision and Mission statements were carried out in consultation with all the External and Internal stakeholders.In addition to that the dissemination of the Vision, Mission are done in the following process.

PEOs of the program:

The Program Educational Objectives were established through a consultation process involving the core constituents such as: **Students, Alumni, Industry, Faculty and Employers.**

Step 1: Vision and Mission of the institute and program outcomes (PO) defined by NBA were taken as a base for framing PEOs.

Step 2: Views expressed by the internal and external stakeholders were analysed and reviewed for their consistency with Vision, Mission and Program Outcomes and were used in framing PEOs.

Step 3: The PEOs thus framed were discussed in IQAC and forwarded to the College Development committee and Governing body for final approval.

Internal stakeholders

- **Governing Body:** The Vision, Mission and PEOs of the institute are intimated to governing body at regular meetings and disseminated to the representative body individuals. Vision, Mission and PEOs are approved by the Governing body.
- **Faculty and staff:** The Vision, Mission and PEOs are circulated to faculty and staff and also communicated in meetings.
- **Students:** Information about the Vision, Mission and PEOs is displayed on notice boards and communicated to the students during classroom deliveryand induction program at the start of academic year.

External stakeholders:

- **Alumni:** Views expressed by the alumni on the Vision, Mission and PEOs during alumni meeting were taken into consideration.
- **Parents:** Parents were briefed about the Vision, Mission and PEOs during first day of induction program and their suggestions were sought and taken into consideration.
- **Industry/Academic experts /Employers:** The Vision, Mission and PEOs are circulated among the employers, academic and Industry experts during seminars; guest lectures and views were taken into consideration.

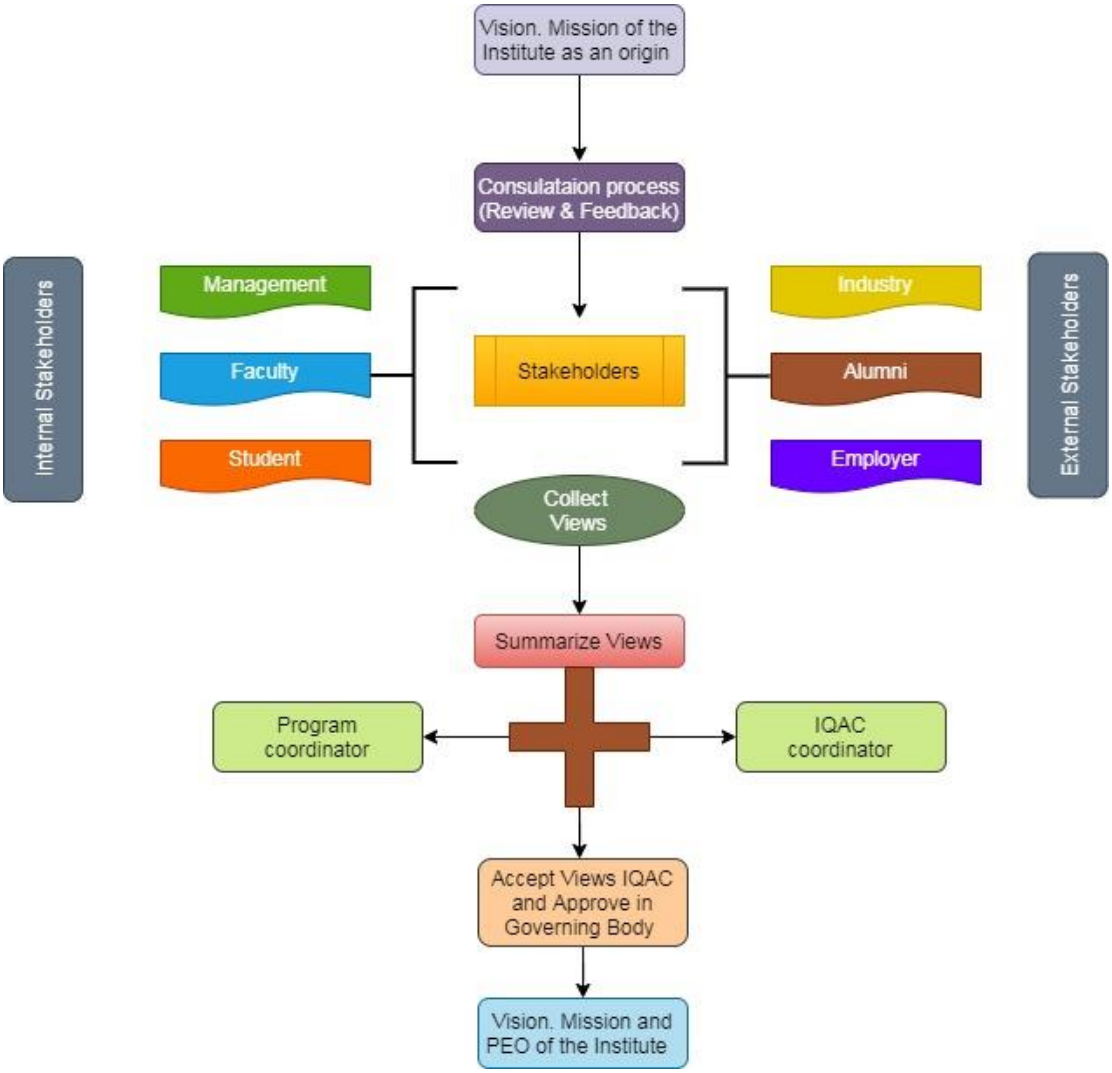


Fig. Flowchart of defining and drafting Vision, Mission and PEO

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

Self-assessment Marks: 15

Program Educational Objectives (PEOs) / Mission Elements	M1	M2	M3	M4	M5
PEO1: Graduates of the program will be having strong knowledge and skills in pharmaceutical sciences and able to use these tools in Pharmaceutical industry, Community, Hospital Pharmacy and/or institutes where ever necessary for success.	3	3	3	3	3
PEO2: Technically sound, competent and mentally robust along with critical thinking, planning and analyzing abilities to excel in career.	3	3	3	3	2
PEO3 : To nurture striving desire in students for higher education and career growth	3	3	2	3	2
PEO4: To promote professionalism, teamwork spirit, effective communication, social and ethical commitment to boost leadership role assisting improvement in healthcare issues of society.	3	3	3	2	2
Mission Elements					
M1: To become centre of excellence in Pharmacy Education					
M2: To promote innovative teaching-learning process with the state-of-art Infrastructure.					
M3: To serve the community by creating awareness about healthcare issues					
M4: To empower young minds with value based education, leadership, communication and Entrepreneurial skills.					
M5: To be the interface between industry, academics and healthcare system.					

Justification: The consistency of PEOs with Mission statement is depicted in Table 1.5.1

Table 1.5.1: Consistency of PEOs with Mission statement

Program Educational Objectives (PEOs) / Mission Elements	Mission Statements	Level of mapping	Justification
PEO1: Graduates of the program will be having strong knowledge and skills in pharmaceutical sciences and able to use these tools in Pharmaceutical industry, Community, Hospital Pharmacy and/or institutes where ever necessary for success.	**M1**:To become centre of excellence in Pharmacy Education	3	• Qualified and experience staff • Good university results • Expert lectures • Industry –institute interaction
	M2:To promote innovative teaching-learning process with the state-of-art Infrastructure.	3	• Use of innovative teaching methods • Google classroom module • E- Content developed by faculty is made available on various e-platforms.
	M3: To serve the community by creating awareness about healthcare issues	3	• Professional activities like NSS • Exposure to professional health activities for providingawarenessabout social needs.
	M4: To empower young minds with value based education, leadership, communication and Entrepreneurial skills.	3	• Exposure to co-curricular activities like Guest lectures, project work, seminars, paper presentations, State/ National level workshops/ conferences and exhibitions
	M5: To be the interface between industry, academics and healthcare system.	3	• By providing Industrial visit, Industrial training, Guest lecturers by industry experts and MoU with academic institutes , industry
PEO2: Technically sound, competent and mentally robust along with critical thinking, planning and analyzing abilities to excel in career.	**M1**: To become centre of excellence in Pharmacy Education	3	• Provide inputs with lab manuals, course plan and reference books to develop the quality knowledge.
	M2: To promote innovative teaching-learning process with the state-of-art Infrastructure.	3	• Hands on training during practical's, use of models, problem solving learning • Hospital visits, • Newsletter,
	M3: To serve the community by creating awareness about healthcare issues	3	• co-curricular activities such as health campaigns and blood donation camps,

	M4: To empower young minds with value based education, leadership, communication and Entrepreneurial skills.	3	• intercollegiate competitions, professional bodies, soft skill trainings
	M5: To be the interface between industry, academics and healthcare system.	2	• Industrial visit • Guest lecturers by industry experts • Good Placement by TPO
PEO3 : To nurture striving desire in students for higher education and career growth	**M1**: To become Centre of excellence in Pharmacy Education	3	• Good academic results • Provision ofcompetitive examinations guidance • Availability of Postgraduate course in the institute • Availability of research guides and facilities in the institute
	M2: To promote innovative teaching-learning process with the state-of-art Infrastructure.	3	• Online GPAT guidance lectures and tests. • Availability of digital classrooms with internet facility, smart board facility • Arrangement of personality development workshop
	M3: To serve the community by creating awareness about healthcare issues	2	• Professional activities like NSS • Organization of seminar, Workshop • Pharmacist Day celebration
	M4: To empower young minds with value based education, leadership, communication and Entrepreneurial skills.	3	• Exposure to co-curricular activities like Guest lectures, project work, seminars, paper presentations, State/ National level workshops/ conferences and exhibitions • Industrial training and visit
	M5: To be the interface between industry, academics and healthcare system.	2	• Students opted for higher education • Good placement record
PEO4: To promote professionalism, teamwork spirit, effective communication, social and ethical commitment to boost leadership role assisting improvement in	**M1**: To become Centre of excellence in Pharmacy Education	3	• Induction day • Pharmacy day celebration • Pharmacy oath • National Service Scheme
	M2: To promote innovative teaching-learning process with	3	• Students are exposed to use Google classroom

healthcare issues of society.	the state-of-art Infrastructure.		• model display competitions where students work in teams
	M3: To serve the community by creating awareness about healthcare issues	3	• Social awareness campaigning through Hb checkup, Dental check up • Blood donation campaign • Eye donation campaign • Blood sugar check up • Safety of medicines and hygiene.
	M4: To empower young minds with value based education, leadership, communication and Entrepreneurial skills.	2	• Professional activities like NSS • Activities like elocution competitions, Annual social gathering • Poster presentation competitions • Skill based certificate courses
	M5: To be the interface between industry, academics and healthcare system.	2	• Organizing Industrial and hospital visits, • Guest lecturers of industry experts • Industrial Training

Criterion 1: Vision, Mission and Program Educational Objectives (50)

Self-Assessment Worksheet

Sr. No	Sub Criteria	Max. Marks/ Weightage	Self-assessment Marks	Marks Awarded
1.1	State the Vision and Mission	5	5	
1.2	State the Program Educational Objectives (PEOs)	5	5	
1.3	Indicate where and how the Vision, Mission and PEOs are published and disseminated among stakeholders	15	15	
1.4	State the process for defining the Vision & Mission and PEOs of the Program	10	10	
1.5	Establish consistency of PEOs with Mission of the Institute	15	15	
Total		50	50	

CRITERION 2
Program Curriculum and Teaching–Learning Processes

CRITERION 2	Program Curriculum and Teaching – Learning Processes	150

2.1. Program Curriculum (40)

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

Self-assessment Marks: 10

(State the contents of the syllabus; about the course/learning material/content/laboratory experiments/projects etc. also mention identified curriculum gaps, if any)

Content of Syllabus:

1. MES's College of Pharmacy, Sonai is affiliated to Savitribai Phule Pune University, Pune Formerly. The curriculum of Undergraduate program in Pharmacy (B. Pharmacy) is provided and prescribed by the Savitribai Phule Pune University, Pune, under faculty of Science and Technology (formerly known as faculty of Pharmaceutical Sciences). It is a four year degree program conducted in semesters.
2. Currently two curricula, namely: 1). B .Pharmacy 2015 pattern- Credit and Grading Based Semester System (CGBSS) and 2) B. Pharmacy- 2018/2019- credit and Grading Based Semester System (CGBSS) prescribed by the University based on recommendation of Pharmacy Council of India (PCI) are implemented by the college. Semester pattern was followed from academic year 2013- 2014 with total 8 semesters.
3. The assessment years involved curriculum of B. Pharmacy 2013 pattern which was Non Credit Based Semester System (Non-CBSS).
4. The curriculum of 2013 pattern (Non-CBSS) was revised and reformed to (CGBSS) 2015 pattern from academic year 2015-16. The curriculum prescribed by the University based on recommendation of PCI has been implemented by the college from academic year 2018-19.
5. The faculty of the institute took active participation in Syllabus Framing workshops organized by the University. In these workshops, members of Board of Studies (BoS), Senior Faculties from different colleges and experts from industry are invited to express their views on curriculum framing and reformation process.

6. As per Credit and Grading Based Semester System (CGBSS), the percentage of marks for semester end examination and internal assessment is 60% and 40% respectively. For Non Credit Based semester System (Non-CBSS) pattern, the percentage of marks for semester end examination and internal assessment is 70% and 30% respectively. For 2018/2019 pattern the percentage of marks for semester end examination and internal assessment is 75% and 25% for theory and 35% and 15% for practical respectively.
7. Syllabus specifies number of theory lecturers and practical in each course to be conducted.
8. The Teaching & Examination Scheme specifies the duration and maximum marks of both Internal and External Theory and Practical examinations.
9. As per curriculum :
    a) The internal assessment examination constitutes continuous assessment for both theory and practical conducted separately by the Institute.
    b) The external examination constitutes semester end examination comprising of theory and practical conducted separately by Savitribai Phule Pune University, Pune.
    c) During the assessment years (2018, 2019, 2020) the institution was following two patterns for undergraduate program (B. Pharmacy) prescribed by Savitribai Phule Pune University, Pune.
    d) Course outcomes and CO-PO mapping is carried out at the start of academic session by course teachers and attainments are calculated after completion of the end semester.
    e) Program outcome attainments are calculated after completion of all the course attainments of each semester.

Semester-I **Class- First Year. B. Pharmacy**

Subject Code	Subject	Semester Examination			Sessional Examination		Total Maximum Marks for subject	Minimum marks for passing subject
		Duration (Hours)	Maximum marks	Min for passing	Duration (Hours)	Maximum marks		
1.1.1 T	Pharmaceutics- I	3	70	28	1.5	30	100	40
1.1.1 P	Pharmaceutics- I	4	70	32	3.0	30	100	40
1.1.2 T	Modern Dispensing Practices	3	70	28	1.5	30	100	40
1.1.2 P	Modern Dispensing Practices	4	70	32	3.0	30	100	40
1.1.3 T	Pharmaceutical Inorganic Chemistry	3	70	28	1.5	30	100	40
1.1.3 P	Pharmaceutical Inorganic Chemistry	4	70	32	3.0	30	100	40
1.1.4 T	Pharmaceutical Organic Chemistry-I	3	70	28	1.5	30	100	40
1.1.4 P	Pharmaceutical Organic Chemistry-I	4	70	32	3.0	30	100	40
1.1.5 T	Human Anatomy & Physiology-I	3	70	28	1.5	30	100	40
1.1.5 P	Human Anatomy & Physiology-I	4	70	32	3.0	30	100	40
1.1.6 T	Communication and soft skill development	3	70	28	1.5	30	100	40

Semester-II **Class- First Year. B. Pharmacy**

Subject Code	Subject	Semester Examination			Sessional Examination		Total Maximum Marks for subject	Minimum marks for passing subject
		Duration (Hours)	Maximum marks	Min for passing	Duration (Hours)	Maximum marks		
1.2.1 T	Pharmaceutics- II	3	70	28	1.5	30	100	40
1.2.1 T	Dosage form design	3	70	28	1.5	30	100	40
1.2.2 P	Dosage form design	4	70	32	3.0	30	100	40
1.2.3 T	Pharmaceutical Organic Chemistry-II	3	70	28	1.5	30	100	40
1.2.3 P	Pharmaceutical Organic Chemistry-II	4	70	32	3.0	30	100	40
1.2.4 T	Human Anatomy & Physiology-II	3	70	28	1.5	30	100	40
1.2.4 P	Human Anatomy & Physiology-II	4	70	32	3.0	30	100	40
1.2.5 T	Pharmacognosy	3	70	28	1.5	30	100	40
1.2.5 P	Pharmacognosy	4	70	32	3.0	30	100	40
1.2.6 T	Pharmaceutical Analysis I	3	70	28	1.5	30	100	40
1.2.6 P	Pharmaceutical Analysis I	4	70	32	3.0	30	100	40

Semester-III **Class- Second Year. B. Pharmacy**

Subject Code	Subject	Semester Examination			Sessional Examination		Total Maximum Marks for subject	Minimum marks for passing subject
		Duration (Hours)	Maximum marks	Min for passing	Duration (Hours)	Maximum marks		
2.3.1 T	Physical Pharmaceutics- I	3	70	28	1.5	30	100	40
2.3.1 P	Physical Pharmaceutics- I	4	70	32	3.0	30	100	40
2.3.2 T	Pharmaceutical Microbiology	3	70	28	1.5	30	100	40
2.3.2 P	Pharmaceutical Microbiology	4	70	32	3.0	30	100	40
2.3.3 T	Pharmaceutical Biochemistry	3	70	28	1.5	30	100	40
2.3.3 P	Pharmaceutical Biochemistry	4	70	32	3.0	30	100	40
2.3.4 T	Pharmaceutical Organic Chemistry-III	3	70	28	1.5	30	100	40
2.3.4 P	Pharmaceutical Organic Chemistry-III	4	70	32	3.0	30	100	40
2.3.5 T	Pharmacology-I	3	70	28	1.5	30	100	40
2.3.6 T	Pharmacognosy & Phytochemistry - I	3	70	28	1.5	30	100	40
2.3.6 P	Pharmacognosy & Phytochemistry - I	4	70	32	3.0	30	100	40

Semester-IV **Class- Second Year. B. Pharmacy**

Subject Code	Subject	Semester Examination			Sessional Examination		Total Maximum Marks for subject	Minimum marks for passing subject
		Duration (Hours)	Maximum marks	Min for passing	Duration (Hours)	Maximum marks		
2.4.1 T	Physical Pharmaceutics- II	3	70	28	1.5	30	100	40
2.4.1 P	Physical Pharmaceutics- II	4	70	32	3.0	30	100	40
2.4.2 T	Pathophysiology & Clinical Biochemistry	3	70	28	1.5	30	100	40
2.4.2 P	Pathophysiology & Clinical Biochemistry	4	70	32	3.0	30	100	40
2.4.3 T	Pharmaceutical Organic Chemistry-IV	3	70	28	1.5	30	100	40
2.4.3 P	Pharmaceutical Organic Chemistry-IV	4	70	32	3.0	30	100	40
2.4.4 T	Pharmaceutical Analysis-II	3	70	28	1.5	30	100	40
2.4.4 P	Pharmaceutical Analysis-II	4	70	32	3.0	30	100	40
2.4.5 T	Pharmacognosy & Phytochemistry - II	3	70	28	1.5	30	100	40
2.4.5 P	Pharmacognosy & Phytochemistry - II	4	70	32	3.0	30	100	40
2.4.6 T	Pharmaceutical Engineering	3	70	28	1.5	30	100	40

Semester-V **Class- Third Year. B. Pharmacy**

Subject Code	Subject	Semester Examination			Sessional Examination		Total Maximum Marks for subject	Minimum marks for passing subject
		Duration (Hours)	Maximum marks	Min for passing	Duration (Hours)	Maximum marks		
3.5.1 T	Industrial Pharmacy-I	3	70	28	1.5	30	100	40
3.5.1 P	Industrial Pharmacy-I	4	70	32	3.0	30	100	40
3.5.2 T	Pharmaceutical Analysis-III	3	70	28	1.5	30	100	40
3.5.2 P	Pharmaceutical Analysis-III	4	70	32	3.0	30	100	40
3.5.3 T	Medicinal Chemistry-I	3	70	28	1.5	30	100	40
3.5.3 P	Medicinal Chemistry-I	4	70	32	3.0	30	100	40
3.5.4 T	Pharmacology-II	3	70	28	1.5	30	100	40
3.5.4 P	Pharmacology-II	4	70	32	3.0	30	100	40
3.5.5 T	Analytical Pharmacognosy & Extraction Technology	3	70	28	1.5	30	100	40
3.5.5 P	Analytical Pharmacognosy& Extraction Technology	4	70	32	3.0	30	100	40
3.5.6 T	Pharmaceutical Business & Disaster Management	3	70	28	1.5	30	100	40
3.5.7 T	Active Pharmaceutical Ingredients Technology	3	70	28	1.5	30	100	40

Semester-VI **Class- Third Year. B. Pharmacy**

Subject Code	Subject	Semester Examination			Sessional Examination		Total Maximum Marks for subject	Minimum marks for passing subject
		Duration (Hours)	Maximum marks	Min for passing	Duration (Hours)	Maximum marks		
3.6.1 T	Industrial Pharmacy-II	3	70	28	1.5	30	100	40
3.6.1 P	Industrial Pharmacy-II	4	70	32	3.0	30	100	40
3.6.2 T	Pharmaceutical Analysis-IV	3	70	28	1.5	30	100	40
3.6.2 P	Pharmaceutical Analysis-IV	4	70	32	3.0	30	100	40
3.6.3 T	Medicinal Chemistry-II	3	70	28	1.5	30	100	40
3.6.3 P	Medicinal Chemistry-II	4	70	32	3.0	30	100	40
3.6.4 T	Pharmacology-III	3	70	28	1.5	30	100	40
3.6.4 P	Pharmacology-III	4	70	32	3.0	30	100	40
3.6.5 T	Natural Product Chemistry	3	70	28	1.5	30	100	40
3.6.5 P	Natural Product Chemistry	4	70	32	3.0	30	100	40
3.6.6 T	Bioorganic Chemistry & Drug Design	3	70	28	1.5	30	100	40
3.6.7 T	Pharmaceutical Biotechnology	3	70	28	1.5	30	100	40

Semester-VII **Class- Final Year. B. Pharmacy**

Subject Code	Subject	Semester Examination			Sessional Examination		Total Maximum Marks for subject	Minimum marks for passing subject
		Duration (Hours)	Maximum marks	Min for passing	Duration (Hours)	Maximum marks		
4.7.1 T	Sterile Products	3	70	28	1.5	30	100	40
4.7.1 P	Sterile Products	4	70	32	3.0	30	100	40
4.7.2 T	Pharmaceutical Analysis-V	3	70	28	1.5	30	100	40
4.7.2 P	Pharmaceutical Analysis-V	4	70	32	3.0	30	100	40
4.7.3 T	Medicinal Chemistry-III	3	70	28	1.5	30	100	40
4.7.3 P	Medicinal Chemistry-III	4	70	32	3.0	30	100	40
4.7.4 T	Pharmacology-IV	3	70	28	1.5	30	100	40
4.7.4 P	Pharmacology-IV	4	70	32	3.0	30	100	40
4.7.5 T	Natural Drug Technology	3	70	28	1.5	30	100	40
4.7.5 P	Natural Drug Technology	4	70	32	3.0	30	100	40
4.7.6 T	Bio-pharmaceutics & Pharmacokinetics	3	70	28	1.5	30	100	40
4.7.7 T	Pharmaceutical Jurisprudence	3	70	28	1.5	30	100	40

Semester-VIII **Class- Final Year. B. Pharmacy**

Subject Code	Subject	Semester Examination			Sessional Examination		Total Maximum Marks for subject	Minimum marks for passing subject
		Duration (Hours)	Maximum marks	Min for passing	Duration (Hours)	Maximum marks		
4.8.1 T	Advanced Drug Delivery System	3	70	28	1.5	30	100	40
4.8.1 P	Advanced Drug Delivery System	4	70	32	3.0	30	100	40
4.8.2 T	Cosmetic science	3	70	28	1.5	30	100	40
4.8.2 P	Cosmetic science	4	70	32	3.0	30	100	40
4.8.3 T	Pharmaceutical Analysis-VI	3	70	28	1.5	30	100	40
4.8.3 P	Pharmaceutical Analysis-V I	4	70	32	3.0	30	100	40
4.8.4 T	Medicinal Chemistry-IV	3	70	28	1.5	30	100	40
4.8.4 P	Medicinal Chemistry-IV	4	70	32	3.0	30	100	40
4.8.5 T	Pharmacology-V(Including Biostatistics)	3	70	28	1.5	30	100	40
4.8.5 P	Pharmacology-V(Including Biostatistics)	4	70	32	3.0	30	100	40
4.8.6 T	Natural Products: Commerce, Industry & Regulations	3	70	28	1.5	30	100	40
4.8.7 T	Quality Assurance Tech.	3	70	28	1.5	30	100	40

Semester-I **Class: First Year. B.Pharmacy (2015 Pattern)**

Subject Code	Subject	Scheme of Teaching Hrs/Weeks	Scheme of Credit	End Semester Examination			Internal Examination			Total Maximum Marks for subject	Minimum marks for passing subject
				Duration (Hours)	Maximum marks	Min for passing	Duration (Hours)	Sessional Maximum marks	Continuous Assessment marks		
1.1.1 T	Pharmaceutics- I	3	3	3	60	24	1.5	20	20	100	40
1.1.1 P	Pharmaceutics- I	3	2	4	60	24	3.0	20	20	100	40
1.1.2 T	Modern Dispensing Practices	3	3	3	60	24	1.5	20	20	100	40
1.1.2 P	Modern Dispensing Practices	3	2	4	60	24	3.0	20	20	100	40
1.1.3 T	Pharmaceutical Inorganic Chemistry	3	3	3	60	24	1.5	20	20	100	40
1.1.3 P	Pharmaceutical Inorganic Chemistry	3	2	4	60	24	3.0	20	20	100	40
1.1.4 T	Pharmaceutical Organic Chemistry-I	3	3	3	60	24	1.5	20	20	100	40
1.1.4 P	Pharmaceutical Organic Chemistry-I	3	2	4	60	24	3.0	20	20	100	40
1.1.5 T	Human Anatomy & Physiology-I	3	3	3	60	24	1.5	20	20	100	40
1.1.5 P	Human Anatomy & Physiology-I	3	2	4	60	24	3.0	20	20	100	40
1.1.6 T	Communication and soft skill development	3	3	3	60	24	1.5	20	20	100	40

Semester-II **Class-First Year. B. Pharmacy (2015 Pattern)**

Subject Code	Subject	Scheme of Teaching Hrs/Weeks	Scheme of Credit	End Semester Examination			Internal Examination			Total Maximum Marks for subject	Minimum marks for passing subject
				Duration (Hours)	Maximum marks	Min for passing	Duration (Hours)	Sessional Maximum marks	Continuous Assessment marks		
1.2.1 T	Pharmaceutics- II	3	3	3	60	24	1.5	20	20	100	40
1.2.1 T	Dosage form design	3	3	3	60	24	1.5	20	20	100	40
1.2.2 P	Dosage form design	3	2	4	60	24	3.0	20	20	100	40
1.2.3 T	Pharmaceutical Organic Chemistry- II	3	3	3	60	24	1.5	20	20	100	40
1.2.3 P	Pharmaceutical Organic Chemistry- II	3	2	4	60	24	3.0	20	20	100	40
1.2.4 T	Human Anatomy & Physiology-II	3	3	3	60	24	1.5	20	20	100	40
1.2.4 P	Human Anatomy & Physiology-II	3	2	4	60	24	3.0	20	20	100	40
1.2.5 T	Pharmacognosy	3	3	3	60	24	1.5	20	20	100	40
1.2.5 P	Pharmacognosy	3	2	4	60	24	3.0	20	20	100	40
1.2.6 T	Pharmaceutical Analysis I	3	3	3	60	24	1.5	20	20	100	40
1.2.6 P	Pharmaceutical Analysis I	3	2	4	60	24	3.0	20	20	100	40

Semester-III **Class: Second Year B. Pharmacy(2015 Pattern)**

Subject Code	Subject	Scheme of Teaching Hrs/Weeks	Scheme of Credit	End Semester Examination			Internal Examination			Total Maximum Marks for subject	Minimum marks for passing subject
				Duration (Hours)	Maximum marks	Min for passing	Duration (Hours)	Sessional Maximum marks	Continuous Assessment marks		
2.3.1 T	Physical Pharmaceutics- I	3	3	3	60	24	1.5	20	20	100	40
2.3.1 P	Physical Pharmaceutics- I	3	2	4	60	24	3.0	20	20	100	40
2.3.2 T	Pharmaceutical Microbiology	3	3	3	60	24	1.5	20	20	100	40
2.3.2 P	Pharmaceutical Microbiology	3	2	4	60	24	3.0	20	20	100	40
2.3.3 T	Pharmaceutical Biochemistry	3	3	3	60	24	1.5	20	20	100	40
2.3.3 P	Pharmaceutical Biochemistry	3	2	4	60	24	3.0	20	20	100	40
2.3.4 T	Pharmaceutical Organic Chemistry-III	3	3	3	60	24	1.5	20	20	100	40
2.3.4 P	Pharmaceutical Organic Chemistry-III	3	2	4	60	24	3.0	20	20	100	40
2.3.5 T	Pharmacology-I	3	3	3	60	24	1.5	20	20	100	40
2.3.6 T	Pharmacognosy & Phytochemistry - I	3	3	3	60	24	1.5	20	20	100	40
2.3.6 P	Pharmacognosy & Phytochemistry - I	3	2	4	60	24	3.0	20	20	100	40

Semester-IV **Class: Second Year B. Pharmacy(2015 Pattern)**

Subject Code	Subject	Scheme of Teaching Hrs/Weeks	Scheme of Credit	End Semester Examination			Internal Examination			Total Maximum Marks for subject	Minimum marks for passing subject
				Duration (Hours)	Maximum marks	Min for passing	Duration (Hours)	Sessional Maximum marks	Continuous Assessment marks		
2.4.1 T	Physical Pharmaceutics- II	3	3	3	60	24	1.5	20	20	100	40
2.4.1 P	Physical Pharmaceutics- II	3	2	4	60	24	3.0	20	20	100	40
2.4.2 T	Pathophysiology & Clinical Biochemistry	3	3	3	60	24	1.5	20	20	100	40
2.4.2 P	Pathophysiology & Clinical Biochemistry	3	2	4	60	24	3.0	20	20	100	40
2.4.3 T	Pharmaceutical Organic Chemistry-IV	3	3	3	60	24	1.5	20	20	100	40
2.4.3 P	Pharmaceutical Organic Chemistry-IV	3	2	4	60	24	3.0	20	20	100	40
2.4.4 T	Pharmaceutical Analysis- II	3	3	3	60	24	1.5	20	20	100	40
2.4.4 P	Pharmaceutical Analysis- II	3	2	4	60	24	3.0	20	20	100	40
2.4.5 T	Pharmacognosy & Phytochemistry - II	3	3	3	60	24	1.5	20	20	100	40
2.4.5 P	Pharmacognosy & Phytochemistry - II	3	2	4	60	24	3.0	20	20	100	40
2.4.6 T	Pharmaceutical Engineering	3	3	3	60	24	1.5	20	20	100	40

Semester-V **Class: Third Year B. Pharmacy(2015 Pattern)**

Subject Code	Subject	Scheme of Teaching Hrs/Weeks	Scheme of Credit	End Semester Examination			Internal Examination			Total Maximum Marks for subject	Minimum marks for passing subject
				Duration (Hours)	Maximum marks	Min for passing	Duration (Hours)	Sessional Maximum marks	Continuous Assessment marks		
3.5.1 T	Industrial Pharmacy-I	3	3	3	60	24	1.5	20	20	100	40
3.5.1 P	Industrial Pharmacy-I	3	2	4	60	24	3.0	20	20	100	40
3.5.2 T	Pharmaceutical Analysis-III	3	3	3	60	24	1.5	20	20	100	40
3.5.2 P	Pharmaceutical Analysis-III	3	2	4	60	24	3.0	20	20	100	40
3.5.3 T	Medicinal Chemistry-I	3	3	3	60	24	1.5	20	20	100	40
3.5.3 P	Medicinal Chemistry-I	3	2	4	60	24	3.0	20	20	100	40
3.5.4 T	Pharmacology-II	3	3	3	60	24	1.5	20	20	100	40
3.5.4 P	Pharmacology-II	3	2	4	60	24	3.0	20	20	100	40
3.5.5 T	Analytical Pharmacognosy & Extraction Technology	3	3	3	60	24	1.5	20	20	100	40
3.5.5 P	Analytical Pharmacognosy & Extraction Technology	3	2	4	60	24	3.0	20	20	100	40
3.5.6 T	Pharmaceutical Business Management & Disaster Management	3	3	3	60	24	1.5	20	20	100	40
3.5.7 T	Active Pharmaceutical Ingredients Technology	3	3	3	60	24	1.5	20	20	100	40

Semester-VI **Class: Third Year B. Pharmacy(2015 Pattern)**

Subject Code	Subject	Scheme of Teaching Hrs/Weeks	Scheme of Credit	End Semester Examination			Internal Examination			Total Maximum Marks for subject	Minimum marks for passing subject
				Duration (Hours)	Maximum marks	Min for passing	Duration (Hours)	Maximum marks	Continuous Assessment marks		
3.6.1 T	Industrial Pharmacy-II	3	3	3	60	24	1.5	20	20	100	40
3.6.1 P	Industrial Pharmacy-II	3	2	4	60	24	3.0	20	20	100	40
3.6.2 T	Pharmaceutical Analysis-IV	3	3	3	60	24	1.5	20	20	100	40
3.6.2 P	Pharmaceutical Analysis-IV	3	2	4	60	24	3.0	20	20	100	40
3.6.3 T	Medicinal Chemistry-II	3	3	3	60	24	1.5	20	20	100	40
3.6.3 P	Medicinal Chemistry-II	3	2	4	60	24	3.0	20	20	100	40
3.6.4 T	Pharmacology-III	3	3	3	60	24	1.5	20	20	100	40
3.6.4 P	Pharmacology-III	3	2	4	60	24	3.0	20	20	100	40
3.6.5 T	Natural Product Chemistry	3	3	3	60	24	1.5	20	20	100	40
3.6.5 P	Natural Product Chemistry	3	2	4	60	24	3.0	20	20	100	40
3.6.6 T	Bioorganic Chemistry & Drug Design	3	3	3	60	24	1.5	20	20	100	40
3.6.7 T	Pharmaceutical Biotechnology	3	3	3	60	24	1.5	20	20	100	40

Semester-VII **Class: Final Year B. Pharmacy (2015 Pattern)**

Subject Code	Subject	Scheme of Teaching Hrs/Weeks	Scheme of Credit	End Semester Examination			Internal Examination			Total Maximum Marks for subject	Minimum marks for passing subject
				Duration (Hours)	Maximum marks	Min for passing	Duration (Hours)	Maximum marks	Continuous Assessment marks		
4.7.1 T	Sterile Products	3	3	3	60	24	1.5	20	20	100	40
4.7.1 P	Sterile Products	3	2	4	60	24	3.0	20	20	100	40
4.7.2 T	Pharmaceutical Analysis-V	3	3	3	60	24	1.5	20	20	100	40
4.7.2 P	Pharmaceutical Analysis-V	3	2	4	60	24	3	20	20	100	40
4.7.3 T	Medicinal Chemistry-III	3	3	3	60	24	1.5	20	20	100	40
4.7.3 P	Medicinal Chemistry-III	3	2	4	60	24	3.0	20	20	100	40
4.7.4 T	Pharmacology-IV	3	3	3	60	24	1.5	20	20	100	40
4.7.4 P	Pharmacology-IV	3	2	4	60	24	3.0	20	20	100	40
4.7.5 T	Natural Drug Technology	3	3	3	60	24	1.5	20	20	100	40
4.7.5 P	Natural Drug Technology	3	2	4	60	24	3.0	20	20	100	40
4.7.6 T	Bio-pharmaceutics& Pharmacokinetics	3	3	3	60	24	1.5	20	20	100	40
4.7.7 T	Pharmaceutical Jurisprudence	3	3	3	60	24	1.5	20	20	100	40

Semester -VIII **Class: Final Year B. Pharmacy (2015 Pattern)**

Subject Code	Subject	Scheme of Teaching Hrs/Weeks	Scheme of Credit	End Semester Examination			Internal Examination			Total Maximum Marks for subject	Minimum marks for passing subject
				Duration (Hours)	Maximum marks	Min for passing	Duration (Hours)	Maximum marks	Continuous Assessment marks		
4.8.1 T	Advanced Drug Delivery System	3	3	3	60	24	1.5	20	20	100	40
4.8.1 P	Advanced Drug Delivery System	3	2	4	60	24	3.0	20	20	100	40
4.8.2 T	Cosmetic science	3	3	3	60	24	1.5	20	20	100	40
4.8.2 P	Cosmetic science	3	2	4	60	24	3.0	20	20	100	40
4.8.3 T	Pharmaceutical Analysis- VI	3	3	3	60	24	1.5	20	20	100	40
4.8.3 P	Pharmaceutical Analysis- V I	3	2	4	60	24	3.0	20	20	100	40
4.8.4 T	Medicinal Chemistry-IV	3	3	3	60	24	1.5	20	20	100	40
4.8.4 P	Medicinal Chemistry-IV	3	2	4	60	24	3.0	20	20	100	40
4.8.5 T	Pharmacology- V(Including Biostatistics)	3	3	3	60	24	1.5	20	20	100	40
4.8.5 P	Pharmacology- V(Including Biostatistics)	3	2	4	60	24	3.0	20	20	100	40
4.8.6 T	Natural Products: Commerce, Industry & Regulations	3	3	3	60	24	1.5	20	20	100	40
4.8.7 T	Quality Assurance Tech	3	3	3	60	24	1.0	20	20	100	40

Table –I: Course of Study for Semester I (2018/19 Pattern)

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP101T	Human Anatomy and Physiology I– Theory	3	1	4
BP102T	Pharmaceutical Analysis I – Theory	3	1	4
BP103T	Pharmaceutics I – Theory	3	1	4
BP104T	Pharmaceutical Inorganic Chemistry – Theory	3	1	4
BP105T	Communication skills – Theory *	2	-	2
BP106RBT	Remedial Biology/	2	-	2
BP106RMT	Remedial Mathematics – Theory*			
BP107P	Human Anatomy and Physiology – Practical	4	-	2
BP108P	Pharmaceutical Analysis I – Practical	4	-	2
BP109P	Pharmaceutics I – Practical	4	-	2
BP110P	Pharmaceutical Inorganic Chemistry – Practical	4	-	2
BP111P	Communication skills – Practical*	2	-	1
BP112RBP	Remedial Biology – Practical*	2	-	1
	Total	**32/34$/36#**	**4**	**27/29$/30#**

Table-II: Course of Study for semester (2018/19 Pattern)

Course Code	Name of the course	No. of hours	Tutorial	Credit points
BP201T	Human Anatomy and Physiology II – Theory	3	1	4
BP202T	Pharmaceutical Organic Chemistry I – Theory	3	1	4
BP203T	Biochemistry – Theory	3	1	4
BP204T	Pathophysiology – Theory	3	1	4
BP205T	Computer Applications in Pharmacy – Theory *	3	-	3
BP206T	Environmental sciences – Theory *	3	-	3
BP207P	Human Anatomy and Physiology II –Practical	4	-	2
BP208P	Pharmaceutical Organic Chemistry I– Practical	4	-	2
BP209P	Biochemistry – Practical	4	-	2
BP210P	Computer Applications in Pharmacy – Practical*	2	-	1
	Total	**32**	**4**	**29**

Table-III: Course of Study for semester III (2018/19 Pattern)

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP301T	Pharmaceutical Organic Chemistry II – Theory	3	1	4
BP302T	Physical Pharmaceutics I – Theory	3	1	4
BP303T	Pharmaceutical Microbiology – Theory	3	1	4
BP304T	Pharmaceutical Engineering – Theory	3	1	4
BP305P	Pharmaceutical Organic Chemistry II – Practical	4	-	2
BP306P	Physical Pharmaceutics I – Practical	4	-	2
BP307P	Pharmaceutical Microbiology – Practical	4	-	2
BP 308P	Pharmaceutical Engineering –Practical	4	-	2
	Total	**28**	**4**	**24**

Table-IV: Course of Study for semester IV (2018/19 Pattern)

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP401T	Pharmaceutical Organic Chemistry III– Theory	3	1	4
BP402T	Medicinal Chemistry I – Theory	3	1	4
BP403T	Physical Pharmaceutics II – Theory	3	1	4
BP404T	Pharmacology I – Theory	3	1	4
BP405T	Pharmacognosy and Phytochemistry I– Theory	3	1	4
BP406P	Medicinal Chemistry I – Practical	4	-	2
BP407P	Physical Pharmaceutics II – Practical	4		2
BP408P	Pharmacology I – Practical	4	-	2
BP409P	Pharmacognosy and Phytochemistry I – Practical	4	-	2
	Total	**31**	**5**	**28**

Table-V: Course of Study for semester V (2018/19 Pattern)

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP501T	Medicinal Chemistry II – Theory	3	1	4
BP502T	Industrial PharmacyI– Theory	3	1	4
BP503T	Pharmacology II – Theory	3	1	4
BP504T	Pharmacognosy and Phytochemistry II– Theory	3	1	4
BP505T	Pharmaceutical Jurisprudence – Theory	3	1	4
BP506P	Industrial PharmacyI – Practical	4	-	2
BP507P	Pharmacology II – Practical	4	-	2
BP508P	Pharmacognosy and Phytochemistry II –	4	-	2
	Practical			
	Total	**27**	**5**	**26**

Table-VI: Course of Study for semester VI (2018/19 Pattern)

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP601T	Medicinal Chemistry III – Theory	3	1	4
BP602T	Pharmacology III – Theory	3	1	4
BP603T	Herbal Drug Technology – Theory	3	1	4
BP604T	Biopharmaceutics and Pharmacokinetics – Theory	3	1	4
BP605T	Pharmaceutical Biotechnology – Theory	3	1	4
BP606T	Quality Assurance –Theory	3	1	4
BP607P	Medicinal chemistry III – Practical	4	-	2
BP608P	Pharmacology III – Practical	4	-	2
BP609P	Herbal Drug Technology – Practical	4	-	2
	Total	**30**	**6**	**30**

Table-VII: Course of Study for semester VII (2018/19 Pattern)

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP701T	Instrumental Methods of Analysis – Theory	3	1	4
BP702T	Industrial PharmacyII – Theory	3	1	4
BP703T	Pharmacy Practice – Theory	3	1	4
BP704T	Novel Drug Delivery System – Theory	3	1	4
BP705P	Instrumental Methods of Analysis – Practical	4	-	2
BP706PS	Practice School*	12	-	6
	Total	**28**	**5**	**24**

Table-VIII: Course of Study for semester VIII (2018/19 Pattern)

Course code	Name of the course	No. of hours	Tutorial	Credit points
BP801T	Biostatistics and Research Methodology	3	1	4
BP802T	Social and Preventive Pharmacy	3	1	4
BP803ET	Pharma Marketing Management	3 + 3 =6	1 + 1 = 2	4 + 4 =8
BP804ET	Pharmaceutical Regulatory Science			
BP805ET	Pharmacovigilance			
BP806ET	Quality Control and Standardization of Herbals			
BP807ET	Computer Aided Drug Design			
BP808ET	Cell and Molecular Biology			
BP809ET	Cosmetic Science			
BP810ET	Experimental Pharmacology			
BP811ET	Advanced Instrumentation Techniques			
BP812ET	Dietary Supplements and Nutraceuticals			
BP813PW	Project Work	12	-	6
	Total	**24**	**4**	**22**

Delivery of Syllabus:

- The syllabus contents are delivered with the aid of effective PPT presentations, audio-visual and multimedia elements through YouTube channel, interactive teaching as and conventional method.
- The e-learning Google classroom module is used by institute for effective teaching and self learning.
- The Course outcomes (COs), Program Outcomes (POs) and Program Educational Objectives (PEOs) are displayed on the college website and key places in the premises.
- In addition, to generate interest and enthusiasm among students, innovative teaching and learning techniques are followed in both theory and practical sessions. These include making of charts and models, assignments, organization of competitions as well as allotment of projects to the students based on their interest.

- Student centric methods like experiential, participative and collaborative learning are employed for effective learning.
- HoD monitors effective delivery and completion of syllabus based on the inputs made in course file by the respective teacher.
- Mentor-mentee scheme is implemented for solving academic and personal issues and to improve academic performance of advanced as well as slow learners.
- Weaker students are provided additional academic support by asking them to solve the previous year semester end examination question papers and conducting preliminary examination at institute.
- Confidence is built up through counseling, problem solving and skill enhancing methods.
- The attainment of COs and POs is calculated by CO-PO mapping (Table 2.1.1.1).

Table 2.1.1.1: Course-PO matrix of courses for all four years of study of 2017- 21 graduating batch

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
111P	3	1.83	2	1.33	1	1	1	1	1	1	3
111T	3	1.67	2.17	2	1.83	1.67	2.33	1.67	1.83	1.4	3
112P	3	1.5	1.67	1.33	1	1.67	2	1.17	3	1	2.67
112T	3	1.67	1.5	1.33	1.17	1.83	2.33	1	2.17	2.17	3
113P	3	2.5	1.83	2.67	-	1.5	1.17	2.67	1.2	-	3
113T	3	2	2.5	2.67	-	1.4	1.5	2.5	1.4	1	3
114P	3	1	1	1	-	1	1	1	1	1	3
114T	3	1	1	1	-	1	2	-	2	1.6	3
115P	3	2.67	3	2	2	1.8	1.83	1.25	2	2	3
115T	3	1	1	1.2	-	2.83	1.33	-	2.83	1	3
116T	1	1.83	1	1.67	1.83	1.5	1.33	2.5	1	1.83	2.83
121T	3	1.25	1.2	2.83	1.25	2.33	2	1	1.33	1	2.33
122P	3	2	1.33	1	1	1	1	1	1	1	3
122T	3	1.33	1.67	1.5	1	2	2	1	2	2	2
123P	3	1	1	1	1	1.83	1	1	2	1	2.17
123T	3	-	-	1	-	1	-	-	1	1	3
124P	3	2.5	2.33	1.2	1.33	1.67	1.4	1.17	2	1.5	3
124T	3	1.5	1.5	2	1	2	1.17	-	1.83	1	3
125P	3	1.67	1.17	1.17	1	3	1	3	1.75	1	3
125T	3	1	1.33	1.25	1	3	1	1	1.2	2.17	3
126P	3	1	2	1	1	1	1	1	1	-	2
126T	3	-	1	-	1	1	1	-	-	1	3
231P	3	3	3	2.17	-	1.83	1.17	2	1	-	1.83
231T	3	1.67	2	2.17	-	1.5	1	-	1.5	1.17	2.17
232P	2.17	2	1.33	1	1	2.67	2.83	1	2	2	2.5
232T	3	1	1	1	-	2	2.67	1	2	2	3

233P	3	1.83	2	2	2	1.67	1.67	2	2	2	3
233T	3	-	-	1.5	-	2.33	-	1	1.4	1.6	3
234P	3	2.5	1.83	2.67	-	1.5	1.17	2.67	1.2	-	3
234T	3	1.83	1.6	2.25	-	1.83	1.33	2	1	1	3
235T	3	2	2.8	2	-	2.17	2.33	-	1.83	1	2.17
236P	3	2	2	2.17	-	1.17	1.67	1.17	2	2	2.67
236T	3	-	-	1.67	-	2	2	-	3	2	3
241P	3	3	3	2.67	-	2	1	2	1	-	2.17
241T	3	1.25	2	2.17	-	-	1	-	1.17	1.17	2.5
242P	2.83	2.33	1.8	1.8	-	2	1	-	2	1.5	2.17
242T	2.83	2.33	1.8	1.8	-	2	1	-	2	1.5	2.17
243P	3	2	2	1	1	2	3	1	3	3	3
243T	3	2	1	-	1	3	3	2	3	1	3
244P	3	2	2	1.83	-	-	-	2	2	2	3
244T	3	1.5	1.4	2	-	2	1	1.25	1.83	2	3
245P	3	2.17	1.83	2.67	-	1	1	2	2	2	3
245T	3	-	-	2	-	2	2	-	3	2	3
246T	3	-	1	2	-	1	1	1	1	1	3
351P	3	2	2	2	1	1	1	1	1	1	3
351T	3	1	2	1.83	-	1.67	2	1	1	1.83	3
352P	3	1.5	2.33	3	3	1.67	2.17	3	2.17	2.5	3
352T	3	1	2	1	1	1	2	1	2	-	3
353P	2.67	1.67	1.67	2.17	2	1.5	1	1	1	-	2.67
353T	3	-	2.33	2	-	1.67	1	1	1	-	2.83
354P	3	2.6	2.8	2.33	-	2.33	2.33	-	2	-	3
354T	3	-	1.75	1.5	-	1	1	1	1.67	1	3
355P	3	1.8	2.67	2.4	-	2.5	1.83	2.17	2	2.5	3
355T	3	1.8	2.5	2.2	-	2.5	1.83	2.17	2	2.67	3
356T	1.4	2.67	2.33	2.17	2.67	1.83	2.17	2.83	1.67	1.6	2.83
357T	3	1.5	1.67	2.33	-	1.83	1.17	2.33	1.17	1.4	3
361P	3	1.83	1.67	1.67	1	1	1	1	1	1	3
361T	3	1	1	1	-	2	1	1	1	1	3
362P	3	2.5	2.17	2.67	2	2	2.33	2	2	3	3
362T	3	1	2	2	1	1	2	1	2	1	3
363P	2.83	1.67	1.67	2.17	1	1	1	1	1	1.5	2.5
363T	3	-	2.5	2.33	-	1.67	1	1	1	-	2.83
364P	3	3	3	1.5	-	2	1.67	-	2	-	3
364T	3	-	2.83	1	1	2.5	1.83	-	1.8	1	3
365P	3	1.5	2.6	2.67	-	2.5	2.33	2.33	1.83	1.6	3
365T	3	1.5	2.2	2.5	-	2.5	2	2.83	1.83	1.33	3
366T	2	2	2	2	-	1.5	1.17	1	2	2	3
367T	2.17	1	1	2	1	1	2	1	1.83	2	2
471P	3	2	2	2.83	-	3	3	1	2	2	3
471T	3	2	2	2.83	-	3	3	1	2	2	3
472P	2.83	2.33	2.33	2.33	1.5	1.67	1.5	2	1.5	3	3
472T	3	2	3	2.83	1	2.83	1.33	2	2	2.5	3

473P	3	2	1	2	-	3	3	1	3	3	2
473T	3	1	1	2	-	3	3	1	2	1	2
474P	3	2	2	2.83	-	3	3	1	2	2	3
474T	3	1.83	2.17	2	-	3	3	-	3	1.33	2
475P	3	1.6	2.5	3	-	2.67	2.17	2.5	2.2	1.6	3
475T	3	1.6	2.5	3	-	2.67	2.17	2.5	2.2	1.6	3
476T	3	1	1.67	1	-	2	1.67	1	1	1	3
477T	3	1.83	2	-	1	2	2	1	1.5	2	3
481P	3	2	2	3	-	3	3	1	2	2	3
481T	3	2	2	2.83	-	3	3	1	2	2	3
482P	3	2	1.67	1.83	2	1.5	1	1.5	1.33	1.67	3
482T	3	1.5	1.67	1.83	1	2	2	1.67	1.83	1	3
483P	3	2.33	2.33	2.67	1	2.5	2	2	1.5	3	3
483T	2.83	2	2.33	2.33	1.5	2	2	2	2.17	2.2	3
484P	3	2	1	2	-	3	3	1	3	3	2
484T	3	2	1	2	-	3	3	2	2	1.75	2
485P	3	2	2	2	-	2	2	-	2	2	2.17
485T	3	1.83	2.17	2	-	3	3	2	3	1.17	2
486T	3	1	2.67	2	-	2.33	2.17	2.5	1.83	3	3
487T	3	2	1	1.5	1	2	1	1	1	1.25	3

Though the prescribed syllabi are well designed and defined to address most of the POs, which is evident from table 2.1.1.1; our rigorous analyses indicate that some seminars / sessions by experts need to be arranged to acquire core knowledge and to empower students with societal relevance, ethics, recent advances and continuous learning beyond syllabus.

These sessions were arranged to boost the learning. Two distinct methods were used for identification of curriculum gaps.

1) Identification of topics that are not covered in the syllabus.

2) Strengthening of topics with recent and advanced contents.

In order to fill the identified gaps in syllabus and to provide additional knowledge and skills to the students, efforts are made to arrange guest lectures and organize seminars, workshops and certificate courses in addition to regular lectures.

Table 2.1.1.2: Syllabus based gap analysis

Academic Year - 2020-21

Sr. No.	Class	Subject	GAP
01	First Year B. Pharm	Pharmaceutical Organic Chemistry-I	Modern tools usages
02	First Year B. Pharm	Pharmaceutical Organic Chemistry-I	Percent composition of elements in molecules
03	First Year B. Pharm	Pharmaceutical Analysis-I	Statistical techniques
04	First Year B. Pharm	Pharmaceutical Analysis-I	Calibration
05	First Year B. Pharm.	Biochemistry	Physiological role their substrate agonist and antagonist of Enzymes, Nucleic acids
06	Second year B.Pharm	Physical Pharmaceutics-I	Law of thermodynamic
07	Second year B.Pharm	Physical Pharmaceutics-I	Preparation of buffer solution
08	Second year B.Pharm	Physical Pharmaceutics-II	RHLB
09	Second year B.Pharm	Medicinal Chemistry -I	Structure of brain
10	Third Year B. Pharm	Quality Assurance	Career opportunity in QA and How to face an Interview for QA department, what basic preparation is needed for the students.
11	Third year B. Pharm	Medicinal Chemistry-I	Introduction To Structure Drawing Applets- Chemsketch
12	Third year B. Pharm.	Herbal Drug Technology	To make 1 min Video of any Topic (Seminar)
13	Final year B.Pharm	Medicinal Chemistry-III	Antibiotic Resistance
14	Final year B.Pharm	Medicinal Chemistry -III	Recent development in cancer treatment
15	Final year B.Pharm	Medicinal Chemistry -IV	Peptic & duodenal ulcer treatment
16	Final year B.Pharm	Medicinal Chemistry -IV	Human insulin preparation by monoclonal antibodies method
17	Final Year B. Pharm	Pharmaceutical Analysis-V	Demonstrations of XRD, GC-MS, LC-MS, NMR AND Hyphenated techniques.
18	Final Year B. Pharm	Pharmaceutical Analysis-VI	Details about analytical method developments.
19	Final Year B. Pharm	Pharmaceutical Analysis-VI	Applications of all analytical techniques in Pharmaceutical Research
20	Final year B.Pharm	Pharmacology-IV	ART
21	Final year B.Pharm	Pharmacology-V	Pharmacovigilance
22	Final year B.Pharm	Pharmacology-V	Medical Coding
23	Final Year B.Pharm	All subjects	Entrepreneurship
24	Final Year B.Pharm	All subjects	GPAT preparation 2021

Academic Year 2019-20

Sr. No.	Class	Subject	GAP
01	First Year B. Pharm.	Human anatomy and physiology-I	Immunity, types & importance
02	Second Year B.Pharm	Physical p'ceutics-I	Factors affecting protein binding
03	Second Year B.Pharm	Physical p'ceutics-I	Preparation of buffer solution
04	Second Year B.Pharm	P'ceutical Engineering	Air jet mixer, Barrel type mixer
05	Second Year B.Pharm	P'ceutical Engineering	Dry distillation
06	Second Year B.Pharm	P'ceutical Engineering	Compression distillation
07	Third Year B. Pharm.	PBM & DM	Depletion & degradation of natural resources
08	Third Year B. Pharm.	PBM & DM	Environment protection act 1986
09	Third Year B. Pharm.	Pharmacology-II	Neurohumoral Transmission
10	Final Year B.Pharm	Pharmaceutical Jurisprudence	Brand name amendments LASA
11	Final Year B.Pharm	Pharmaceutical Jurisprudence	Role of World Trade Organization.
12	Final Year B.Pharm	Sterile products	Introduction of blood, composition of blood, mechanism of blood clotting
13	Final Year B.Pharm	Sterile products	Stability Studies
14	Final Year B.Pharm	Sterile products	Sterilization of parenteral devices
15	Final Year B.Pharm	Medicinal chemistry-III	Antibiotic Resistance
16	Final Year B.Pharm	P'ceutical Analysis-V	Live demonstrations of GC-MS, LC-MS, NMR AND Hyphenated techniques.
17	Final Year B.Pharm	All subjects	Entrepreneurship
18	Final Year B.Pharm	All subjects	GPAT preparation 2020

Academic Year 2018-19

Sr. No.	Class	Subject	GAP
01	First Year B. Pharm.	Human anatomy and physiology-I	Immune System
02	Second Year B.Pharm	Pathophysiology	Opportunistic dieses in Aids
03	Second Year B.Pharm	Pharmacology-1	Tyrosine kinase linked receptors
04	Second Year B.Pharm	Physical p'ceutics-I	Grahams law of diffusion of gases
05	Second Year B.Pharm	Physical p'ceutics-I	Thermodynamic reversible process
06	Second Year B.Pharm	Pharmacognosy and phytochemistry-II	Withania (ashwgandha root)
07	Second Year B.Pharm	Pharmacognosy and phytochemistry-I	Calcium Oxalate Crystals
08	Third Year B. Pharm.	PBM & DM	Business strategies' for new entrepreneur
09	Third year B. Pharm	Medicinal Chemistry-I	Introduction To Structure Drawing Applets- Chemsketch
10	Third year B. Pharm	Medicinal Chemistry-I	Carrear opportunities-Importance of competitive examination

11	Third year B. Pharm	Medicinal Chemistry-II	How to present poster in competitions
12	Third Year B. Pharm.	Pharmacology-II	Neurohumoral Transmission
13	Final Year B.Pharm	QA	Qualification example Tablet compression machine.
14	Final Year B.Pharm	Pharmaceutical Jurisprudence	Paris convention and Burney convention.
15	Final Year B.Pharm	Pharmaceutical Jurisprudence	Case studies of Copyright, Design.
16	Final Year B.Pharm	ADDS	Carrier opportunities after B. Pharm
17	Final Year B.Pharm	ADDS	Interview skills
18	Final Year B.Pharm	Sterile products	Lyophilization, Phase diagram of water
19	Final Year B.Pharm	Medicinal chemistry-IV	Thromboxanes: As autacoids.
20	Final Year B.Pharm	P'ceutical Analysis-V	Study of various structural features by using various analytical techniques and its use in innovations in Pharmacy field.
	Final Year B.Pharm		
21	Final Year B.Pharm	Pharmacology-IV	NMEP, NVBDCP
22	Final Year B.Pharm	Pharmacology-IV	Immune boosters
23	Final Year B.Pharm	Pharmacology-V	AE/SAE reporting forms
24	Final Year B.Pharm	-	Competitive exam like GPAT/NIPER preparation target 2019
25	Final Year B.Pharm	Pharmacognosy	Herbal Drugs and Phytopharmaceuticals-method development current prospective
26	Final Year B.Pharm	-	GPAT-examination preparation-2019
27	Final Year B.Pharm	Pharmacology	Pharmacist Expert of medicines.
28	Final Year B. Pharm	-	Personality Development Workshop

Academic Year -2017-18

Sr. No.	Class	Subject	GAP
01	First Year B. Pharm	Pharmacognosy-1	How to deal with increase demand of food using genetics.
02	First Year B. Pharm	Pharmaceutics-I	Pharmaceutical processing waste & disposal
03	First Year B.Pharm	Human anatomy and physiology-II	Lifestyle modification to prevent disease
04	First Year B. Pharm	Communication skill	Application of computer
05	Second Year B.Pharm	Physical p'ceutics-I	Phase solubility diagram of nicotine and water system.
06	Second Year B.Pharm	Pathophysiology	Endoscopy
07	Second Year B.Pharm	Pathophysiology	Radiation therapy
08	Second Year B.Pharm	Pharmacognosy and phytochemistry-I	Bacopa (bramhi) leaf

09	Second Year B.Pharm	Pharmacognosy and phytochemistry-II	Green tea
10	Second Year B Pharma	Microbiology	Fermentation technology
11	Third Year B.Pharm	P'ceutical Analysis-III	Applications of all analytical techniques in Pharmaceutical Research
12	Third Year B.Pharm	P'ceutical Analysis-III	Composite problems for IR, UV.NMR and Mass Spectrometry.
13	Third Year B.Pharm	P'ceutical Analysis-IV	Details about analytical method developments.
14	Third year B. Pharm	Medicinal Chemistry-I	GPAT-Importance of competitive exam
15	Third year B. Pharm	Medicinal Chemistry-I	Structure drawing applets-Chemsketch &Chemdraw
16	Third Year B. Pharm.	PBM&DM	Employment relation
17	Final Year B.Pharm	ADDS	Floating and Pulsatile DDS
18	Final Year B.Pharm	ADDS	Factorial design
19	Final Year B.Pharm	Medicinal chemistry-III	Biosynthesis, storage, release of histamine.
20	Final year B. Pharm	QA	The OECD
21	Final Year B.Pharm	Pharmacology-IV	Organ transplantation
22	Final Year B.Pharm	Pharmacology-IV	Drug Safety
23	Final Year B.Pharm	Pharmacology-V	Pharmacovigilance program of India
24	Final year B. Pharm	QA	ICH Q8 (R2)
25	Final Year B.Pharm	All subjects	Your abilities are unique honor them
26	Final Year B.Pharm	All subjects	GPAT preparation and how to solve online GPAT question paper
27	Final Year B.Pharm	All subjects	Entrepreneurship and soft skill Develop.

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

(Provide details of the additional course/learning material/content/laboratory experiments/projects etc., arising from the gaps identified in 2.1.1 in a tabular form in the format given below)

Self-assessment Marks:20

CAY:2020-21

Sr. No.	GAP	Action Taken	Date-Month-Year	Resource Person with designation	No. of student present	Relevance to PO's
01	Modern tools usages	Online demonstrations on Chemdraw & Chemsketch	07/06/2021	Prof .Gade S.T. Asst. Prof.	62	PO1, PO 2, PO 4, PO 5, PO 6, PO 11
02	Percent composition of elements in molecules	'Lecture conducted	29/5/2021	Prof .Gade S.T. Asst. Prof.	58	PO1, PO 2, PO 4, PO 5, PO 6, PO 11
03	Statistical techniques	Lecture conducted	28/01/2021	Prof .Gade S.T. Asst. Prof	60	PO 1, PO 2, PO 3
04	Calibration	Online demonstration of apparatus used in laboratory on youtube channel	3/2/2021	Prof .Gade S.T. Asst. Prof	63	PO 1, PO 2, PO 3, PO 5, PO 11
05	Physiological role their substrate agonist and antagonist of Enzymes, Nucleic acids	Lecture conducted	20/02/2020	Prof. Sonawane M.D. Asst. Prof.	53	PO1,PO4,PO6,PO8,PO9,PO 11
06	Law of thermodynamic	Lecture conducted	06/08/2020	Prof. Firodiya S.R. Asst.Prof.	58	PO2,PO3,PO5,PO6,PO8
07	Preparation of buffer solution	Practical conducted	24/02/2021	Prof. Firodiya S.R. Asst.Prof.	60	PO2,PO3,PO6
08	RHLB	Lecture conducted	24/02/2021	Prof. Firodiya S.R. Asst.Prof.	72	PO2,PO5,PO6,PO8

09	Structure of brain	Lecture conducted	17/05/2021	Prof. Ghule A.V. Asst. Prof	62	PO1, PO9, PO11
10	Career opportunity in QA and How to face an Interview for QA department, what basic preparation is needed for the students.	Lecture conducted	18/3/2021	Dr. Wagh J.G. Asst. Prof.,	60	PO2,PO5,PO10
11	Introduction To Structure Drawing Applets-Chemsketch	Demonstration conducted	08/10/2020	Dr. Mohite P.B. Professor	70	PO1,PO2,PO3, PO4,PO5, PO11
	Antibiotic Resistance	Lecture conducted	06/07/2020	Prof. Ghule A.V. Asst. Prof.	58	PO1, PO9
12	Recent development in cancer treatment	Lecture conducted	10/09/2020	Prof.Ghule A.V. Asst. Prof	55	PO1, PO9
13	Peptic & duodenal ulcer treatment	Lecture conducted	31/03/2021	Prof.Ghule A.V. Asst. Prof	65	PO1, PO9, PO11
14	Human insulin preparation by monoclonal antibodies method	Lecture conducted	15/05/2021	Prof.Ghule A.V. Asst. Prof	68	PO1, PO6, PO11
15	Demonstrations of XRD, GC-MS, LC-MS, NMR and Hyphenated techniques.	Live demonstrations of XRD, GC-MS, LC-MS, NMR AND Hyphenated techniques on You Tube Channel.	13/10/2020	Genomics Lab, Coimbatore	66	PO2,PO5,PO10
16	Details about analytical method developments.	Lecture conducted	5/4/2021	Dr.Wagh J.G. Assistant Professor	65	PO5,PO8

17	Applications of all analytical techniques in Pharmaceutical Research	'Lecture conducted	27/4/2021	Dr.Wagh J.G. Assistant Professor	62	PO2,PO5,PO10
18	Cross Resistance	Video Shown	10/07/2020	Dr. R. B. Pandhare Asso. Professor	60	PO1, PO9,PO11
19	ART	PPT presentation	21/08/2020	Dr. R. B. Pandhare Asso. Professor	54	PO1,PO4
20	Pharmacovigilance	PPT presentation	18/01/2020	Dr. R. B. Pandhare Asso. Professor	59	PO1,PO3
21	Medical Coding	PPT presentation	19/04/2020	Dr. R. B. Pandhare Asso. Professor	59	PO1,PO9
22	Modern tool	Making of 1 min Video of any Topic (Seminar)	17/06/2020	Prof.Sonawane M.D. Asst. Prof.	60	PO2,PO3,PO4,PO5,PO6, PO7,PO8
23	Business Opportunity in Pharmaceutical Sector	Guest lecture conducted	13/7/2021	Mr. Bhalchandra Habade Director, HRW Organics Pvt. LtdNashik	**98**	PO2,PO3,PO5,PO7,PO11
24	GPAT prepration-2021	Guest lecture conducted	14/03/2021	Mr. Vijaykumar Chakote Pharmastar Academy	100	PO2,PO3,PO11

CAYm1:2019-20

Sr. No.	GAP	Action Taken	Date-Month-Year	Resource Person with designation	No. of student present	Relevance to PO's
01	Immunity, types & importance	PPT Presentation	24/09/2019	Mr. Bairagi S.M. Asst. Prof.	56	PO3,PO4,PO6,PO8,PO9,PO10 ,PO11
02	Factor affecting protein binding	Lecture conducted	05/09/2019	Mr. Firodiya S.R. Asst.Prof.	73	PO5,PO6,PO8
03	Preparation of buffer solution	Practical conducted	23/09/2019	Mr. Firodiya S.R. Asst.Prof.	70	PO5,PO6,PO8
04	Air jet mixer, Barrel type mixer	Lecture conducted	29/07/2019	Dr. Pawar A R Asso. Prof.	64	PO1, PO2, PO3, PO7
05	Dry distillation	Lecture conducted	22/08/2019	Dr. Pawar A R Asso. Prof.	65	PO2, PO3, PO5, PO10
06	Compression distillation	Lecture conducted	27/08/2019	Dr. Pawar A R Asso. Prof.	67	PO1, PO4, PO11
07	Depletion & degradation of natural resources	Lecture conducted	26/09/2019	Mr. Gaikwad M.S. Asst. Prof.	59	PO3,PO10
08	Environment protection act 1986	Lecture conducted	10/10/2019	Mr. Gaikwad M.S. Asst. Prof.	61	PO10
09	Neurohumoral Transmission	Lecture conducted	21/06/2019	Mr. Bairagi S.M. Asst. Prof.	59	PO2,PO8,PO10
10	Brand name amendments LASA	Lecture conducted	24/01/2019	Mr. AgaleK.B. Asst. Prof.	62	PO1, PO5,PO6, PO7, PO8, PO9, PO11
11	Role of World Trade Organization.	Lecture conducted	25/02/2019	Mr. Agale K.B. Asst. Prof.	60	PO1, PO5, PO6, PO7, PO8, PO9, PO11
12	Introduction of blood, composition of blood, mechanism of blood clotting	Lecture conducted	11/09/2019	Dr. Pawar A R Asso. Prof.	59	PO1, PO3, PO5, PO6, PO7, PO9, PO10, PO11

13	Stability Studies	Conducted Guest lecture	14/09/2019	Mr. Anil Funde Sr. Manager Emcure Pharma.Ltd,Pune	57	PO1, PO2, PO3, PO5, PO6, PO7, PO10, PO11
14	Sterilization of parenteral devices	Lecture conducted	04/10/2019	Dr. Pawar A R Asso. Prof.	66	PO1, PO2, PO3, PO5, PO6, PO7, PO10, PO11
15	Antibiotic Resistance	Lecture conducted	27/06/2019	Mr. Ghule A.V. Asst. Prof.	58	PO2,PO3,PO5
16	Live demonstrations of GC-MS, LC-MS, NMR AND Hyphenated techniques.	Visit to Central Instrumentation Facility, SPPU,Pune	27/06/2019	All Faculties of CIF dept.	66	PO2,PO5,PO8
17	Entrepreneurship	Guest Lecture conducted	19/08/2019	Mr. Sandip Jadhav Amrut Pharmaceuticals, Solapur	65	PO2,PO3,PO5,PO7,PO11
18	GPAT preparation 2020	Guest Lecture conducted	03/08/2019	Dr. Rajendra patil, Asso. Prof JSPM College of Pharmacy, Tathwade Pune	66	PO2,PO3,PO11

CAYm2:2018-19

Sr. No.	GAP	Action Taken	Date-Month-Year	Resource Person with designation	No. of student present	Relevance to PO's
01	Immune System	Lecture conducted	14/08/2018	Mr. Bairagi S.M. Asst. Prof.	56	PO3,PO4,PO6,PO8, PO9,PO10,PO11
02	Opportunistic dieses in Aids	Lecture Conducted	22/03/2019	Mr. Agale K.B. Asst. Prof.	58	PO1,PO6,PO9,PO11
03	Tyrosine kinase linked receptors	Lecture Conducted	11/08/2018	Mr. Agale K.B. Asst. Prof.	59	PO1,PO6,PO9,PO11
04	Grahams law of diffusion of gases	Lecture conducted	23/06/2018	Prof. Firodiya S.R. Asst.Prof.	48	PO2,PO3,PO5,PO6, PO8
05	Thermodynamic reversible process	Lecture conducted	22/09/2018	Mr. Firodiya S.R. Asst.Prof.	57	PO2,PO3,PO5,PO6, PO8
06	Withania (ashwgandha root)	Lecture conducted	17/01/2019	Dr. Ghawate V.B. Asso.Prof.	56	PO4,PO5,PO8,PO9
07	Calcium Oxalate Crystals	Lecture conducted	03/09/2018	Dr. Ghawate V.B. Asso.Prof.	54	PO3,PO4,PO8
08	Business strategies' for new entrepreneur	Guest Lecture conducted	18/02/2019	Dr. Sharad Gadakh, Director of research MPKV Rahuri	49	PO2,PO3,PO5,PO7,PO11
09	Introduction To Structure Drawing Applets-Chemsketch	Conducted during regular lecture	24/07/2018	Dr.P.B. Mohite Associate Professor	68	PO1,PO2,PO3, PO4,PO5, PO11
10	Career opportunities-Importance of competitive examination	Conducted during regular class	29/08/2018	Dr.P.B. Mohite Associate Professor	67	PO1,PO3,PO4 PO4,PO5, PO11
11	How to present poster in competitions	Conducted during regular class	21/01/2019	Dr.P.B. Mohite Associate Professor	68	PO1,PO2, PO3, PO4,PO5, PO11

12	Neurohumoral Transmission	Lecture conducted	15/06/2018	Mr. Bairagi S.M. Asst. Prof.	49	PO2,PO8.PO10
13	Qualification example Tablet compression machine.	Lecture conducted	24/01/2019	Mr. Agale K.B. Asst.Prof.	62	PO1, PO2, PO3, PO5,PO6, PO11
14	Paris convention and Burney convention.	Lecture conducted	15/08/2018	Mr. Agale K.B. Asst.Prof.	60	PO1,PO6,PO7, PO8,PO9,PO11
15	Case studies of Copyright, Design.	Lecture conducted	21/08/2018	Mr. Agale K.B. Asst.Prof.	62	PO1,PO6,PO7, PO8,PO9,PO11
16	Carrier opportunities after B. Pharm	Conducted in regular lecture	08/03/2019	Dr. Pawar A R Associate Professor	63	PO1,PO 2,PO3,PO4, PO5,PO8 ,PO11
17	Interview skills	Conducted in regular lecture	19/03/2019	Dr. Pawar A R Associate Professor	57	PO1,PO 2,PO3,PO4, PO5,PO8 ,PO11
18	Lyophilization, Phase diagram of water	Conducted in regular lecture	08/09/2018	Dr. Pawar A R Associate Professor	52	PO1, PO2, PO3, PO5, PO6, PO7, O10,PO11
19	Thromboxanes: As autacoids.	Lecture conducted	19/01/2019	Mr.Ghule A.V. Asst.Prof.	59	PO2,PO3,PO5
20	Study of various structural features by using various analytical techniques and its use in innovations in Pharmacy field.	Conducted in Conference on Recent Innovations in Pharmaceutical Science	15/02/2019 16/02/2019	Dr.S.S.Chitlange. Dr.D.Y.Patil College of Pharmacy,Pune.	126	PO2,PO5,PO10
21	NMEP, NVBDCP	PPT during regular class	19/07/2018	Dr. R. B. Pandhare Associate Professor	61	PO1, PO11
22	Immune boosters	Conducted during Lecture	07/08/2018	Dr. R. B. Pandhare Associate Professor	62	PO1, PO4
23	AE/SAE reporting forms	Conducted during Lecture	19/01/2019	Dr. R. B. Pandhare Associate Professor	62	PO1, PO3

24	Competitive exam like GPAT/NIPER preparation target 2019	Guest Lecture Conducted	04/07/2018	Dr. Machindra Bochare Director, Academy of Niper Aspirants(ANA)Nashik.	120	PO2,PO3,PO11
25	Herbal Drugs and Phytopharmaceuticals-method development current prospective	Guest Lecture Conducted	17/07/2018	Mrs. Aboli Girme Manager, Pharmanza Herbal pvt. Ltd. Gujrat	62	PO1,PO10,PO11
26	GPAT-examination preparation-2019	Guest Lecture Conducted	26/07/2018	Prof. Pratap B. Pawar, MET Institute of Pharmacy, Bhujbal Knowledge City,Nashik	115	PO2,PO3,PO11
27	Pharmacist Expert of medicines.	Guest Lecture Conducted	25/09/2018	Dr. Sachidanand Angadi, Principal, Yash Institute of Pharmacy, Aurangabad.	210	PO1,PO7,PO8,PO11
28	Personality Development Workshop	Workshop Conducted	20/08/2018 21/08/2018	Dr. Jagannath Rao, Parapsychologist Banglore	120	PO5,PO6,PO11

CAYm3:2017-18

Sr. No.	GAP	Action Taken	Date-Month-Year	Resource Person with designation	No. of student present	Relevance to PO's
01	How to deal with increase demand of food using genetics.	Lecture conducted	20/01/2018	Mr. Agale K.B. Asst.Prof.	50	PO1,PO2,PO3, PO6, PO9, PO10,PO11
02	Pharmaceutical processing waste & disposal	Lecture conducted	14/11/2017	Mr. Darandale A.S. Asst.Prof.	57	PO10
03	Lifestyle modification to prevent disease	Lecture conducted	17/03/2018	Mr. Bairagi S.M. Asst. Prof.	52	PO1,PO2,PO3, PO7,PO10,PO11
04	Application of computer	Workshop conducted	16 /12/2017	Mr.Sayyed B.N. Computer operator	60	PO4
05	Phase solubility diagram of nicotine and water system.	Lecture conducted	20/06/2017	Mr. Firodiya S.R. Asst.Prof.	57	PO2,PO3,PO5, PO6, PO8
06	Endoscopy	Video shown	25/01/2018	Dr. R. B. Pandhare Associate Professor	69	PO1, PO4
07	Radiation therapy	Lecture conducted	16/03/2018	Dr. R. B. Pandhare Associate Professor	63	PO1,PO4
08	Bacopa (bramhi)leaf	Lecture conducted	07/09/2017	Dr. Ghawate V.B. Associate Professor	70	PO4,PO3,PO6
09	Green tea	Lecture conducted	27/02/2018	Dr. Ghawate V.B. Associate Professor	65	PO4,PO3,PO6
10	Fermentation technology	Visit to Mula sakhar karkhana,sonai	12/03/2017	Mr.A.S.Darandale Asst.Prof.	45	PO2,PO8,PO10

11	ICH Q8 (R2)	Lecture conducted	03/04/2018	Mr. Agale K.B. Asst.Prof.	60	PO1,PO2,PO3,PO6,PO7, PO9,PO10,PO11
12	Applications of all analytical techniques in Pharmaceutical Research	Guest Lecture conducted during seminar	03/02/2017 04/02/2017	Dr. Kundan Ingale Director V-life sciences	66	PO5,PO8
13	Composite problems for IR, UV.NMR and Mass Spectrometry.	Certificate course conducted	12/11/2017	Dr. R.P.Marathe Professor Govt college of pharmacy, Aurangabad	50	PO2,PO5,PO10
14	Details about analytical method developments.	Certificate course conducted	23/09/2017	Dr. Vandana Patil Professor, Yah Institute of pharmacy, Aurangabad	50	PO2,PO5,PO10
15	GPAT-Importance of competitive exam	Conducted during regular lecture	12/07/2017	Dr.P.B. Mohite Associate Professor	65	PO1,PO4,PO5, PO11
16	Structure drawing applets-Chemsketch & Chemdraw	Conducted during regular class	25/09/2017	Dr.P.B. Mohite Associate Professor	65	PO1, PO2, PO4 PO4,PO5, PO11
17	Employment relation	Lecture conducted	13/09/2017	Mr. Darandale A.S. Asst.Prof.	62	PO8
18	Floating and Pulsatile DDS	Conducted in regular lecture	04/01/2018	Dr. Pawar A R Associate Professor	64	PO5, PO10,PO11
19	Factorial design	Conducted in regular lecture	15/03/2018	Dr. Pawar A R Associate Professor	64	PO 3, PO4, PO5, PO6, PO7, ,PO11
20	Biosynthesis, storage, release of histamine.	Lecture conducted	28/07/2017	Mr.Ghule A.V. Asst.Prof.	66	PO2,PO3,PO5
21	The OECD	Lecture conducted	06/02/2018	Mr. Agale K.B. Asst.Prof.	64	PO2,PO3,PO6,PO7, PO9,PO10,PO11
22	Organ transplantation	Lecture conducted	07/08/2017	Dr. R. B. Pandhare Associate Professor	65	PO1,PO4, PO10
23	Drug Safety	Expert talk	26/08/2017	Mr. P. P. Gadakh , Mylan	68	PO1,PO3

				Laboratories, Bangalore		
24	Pharmacovigilance program of India	Lecture conducted	11/01/2018	Dr. R. B. Pandhare Associate Professor	64	PO1, PO9
25	Your abilities are unique honor them	Guest lecture conducted	08/01/2018	Mr. Tarachand JaisighpureSubtle and beyond organization, Ahmednagar	120	PO5,PO6,PO11
26	GPAT preparation and how to solve online GPAT question paper	Guest lecture conducted	24/09/2017	Dr. Anwar sheikh Prof., Allana college ofpharmacy, Pune	115	PO2,PO3,PO11
27	Entrepreneurship and soft skill Development	Guest lecture conducted	12/02/2018	Mr. Anant Nagapurkar, MD Adora Products PV Ltd.	63	PO2,PO3,PO5,PO7, PO11

2.1.3. Adherence to Academic Calendar (10) Self-assessment Marks:10

(Demonstrate notified academic calendar & its adherence)

The affiliating university releases academic calendar for affiliated colleges every academic year .Based on this, the institute level academic calendar is prepared in the beginning of every academic year. It is prepared by academic in-charge in consultation with academic advisory committee and examination committee and approved by the Principal.

The calendar specifies number of working days available for teaching excluding holidays, Sundays and examination days. It gives the dates for conduction of internal theory and practical examinations and other activities including cultural events, extra and co-curricular events, health campaigns and sport events. University organized sport events are conducted as per schedule provided by the University. The calendar is circulated among staff and students, displayed on college notice board as well as uploaded on college website.

Necessary changes are made in the schedule based on circular given by University for semester end examinations.

Academic Advisory Committee (AAC)regularly monitors actual execution of activities versus planned activities. Review of activities conducted or not, is taken up and discussed in faculty meetings. Concerned in charge is instructed to take necessary follow up. Demonstration of adherence of academic calendar (Table 2.1.3.1)

Table 2.1.3.1. Demonstration of adherence of academic calendar for first and second term of academic years(B. Pharm.)

Sr. No.	Academic Year	Planed Date 2018-19	Conducted Date	Planed Date 2019-20	Conducted * Date	Planed Date 2020-21	Conducted* Date
FIRST TERM							
01	Start of Academic Session	15 June 2018	15 June 2018	15 June 2019	15 June 2019	15 June 2020	15 June 2020
02	Induction Program	First week of Aug 2018	6th Aug. 2018	First week of Aug 2019	01st Aug .2019	First Week of Feb 2021	26th Feb.2021
03	Date of commencement of classes B.Pharm. II- IV	15.06.2018	15.06.2018	15 June 2019	15 June 2019	15.06.2020	15.06.2020
	B.Pharm. I	01.08.2018	01.08.2018	01.08.2019	01.08.2019	01.08.2020	Last week of Jan 2021.
04	Independence Day Celebration	15.08.2018	15.08.2018	15.08.2019	15.08.2019	15.08.2020	15.08.2020
05	Teachers day Celebration	05.09.2018	05.09.2018	05.09.2019	05.09.2019	05.09.2020	05.09.2020
06	Celebration of Lord Ganesh Festival	13.09.2018 to 19.09.2018	13.09.2018 to 19.09.2018	02.09.2019 to 06.09.2019	02.09.2019 to 06.09.2019	22.08.2020 to 01.09.2020	22.08.2020 to 01.09.2020
07	**Schedule of Practical Sessional Examination**						
	(III, V & VII Semester) B. Pharm II-IV	13.10.2018 to 23.10..2018	13.10.2018 to 23.10..2018	**2nd Year** 23.09.2019 to 27.09.2019 1st Sessional) (4.11.2019 to 8.11.2019 2nd sessional) **3rd& Final Yr.** 30.09.2019 to 05.10.2019	**2nd Year** 23.09.2019 to 27.09.2019 1st Sessional) (4.11.2019 to 8.11.2019 2nd sessional) **3rd& Final Yr.** 30.09.2019 to 05.10.2019	**2nd3rd& Final Yr.**01.03.2021 to 06.03.2021 1st sessional) **2nd3rd**(08.03.2021 to 13.03.2021 2nd sessional)	**2nd3rd& Final Yr.**01.03.2021 to 06.03.2021 1st sessional) **2nd3rd** (08.03.2021 to 13.03.2021 2nd sessional)
	(I Semester) B. Pharm I	01.10.2018 to 05.10.2018	01.10.2018 to 05.10.2018	(7.10.2019 to 12.10.2019	(7.10.2019 to 12.10.2019	(22.03.2021 to 26.03.2021	(22.03.2021 to 26.03.2021

		(1st Sessional) 08.10.2018 to 12.10.2018 (2nd Sessional)	(1st Sessional) 08.10.2018 to 12.10.2018 (2nd Sessional)	1st Sessional) (4.11.2019 to 8.11.2019 2nd sessional)	1st Sessional) (4.11.2019 to 8.11.2019 2nd sessional)	1st Sessional) (29.03.2021 to 02.04.2021 2nd Sessional)	1st Sessional) (29.03.2021 to 02.04.2021 2nd Sessional)
08	**Schedule of Theory Sessional Examination**						
	(III, V & VII Semester) B.Pharm II-IV	24.10.2018 to 31.10.2018	24.10.2018 to 31.10.2018	**2nd year** (30.09.2019 to 07.10.2019 1st sessional) (09.11.2019 to 15.112019 2nd Sessional) **3rd& Final Yr.**14.10.2019 to 23.10.2019	**2nd year** (30.09.2019 to 07.10.2019 1st sessional) (09.11.2019 to 15.112019 2nd Sessional) **3rd& Final Yr.**14.10.2019 to 23.10.2019	**2nd year** (23.11.2020 to 26.11.2020 1st sessional) (3.12.2020 to 6.12.2020 2nd sessional) **3rd year** (23.11.2020 to 27.11.2020 1st sessional) (3.12.2020 to 7.12.2020 2nd sessional) **Final Year** (03.12.2020 to 09.12.2020 1st sessional) (29.03.2021 to 03.4.2021	**2nd year** (23.11.2020 to 26.11.2020 1st sessional) (3.12.2020 to 6.12.2020 2nd sessional) **3rd year** (23.11.2020 to 27.11.2020 1st sessional) (3.12.2020 to 7.12.2020 2nd sessional) **Final Year** (03.12.2020 to 09.12.2020 1st sessional) (29.03.2021 to 03.4.2021
	(I Semester) B. Pharm I	15.10.2018 to 23.10.2018 (1st Sessional) 24.10.2018 to 29.10.2018 (2nd Sessional)	15.10.2018 to 23.10.2018 (1st Sessional) 24.10.2018 to 29.10.2018 (2nd Sessional)	15.10.2019 to 23.10.2019 1st Sessional.) (09.11.2019 to 15.112019 2nd Sessional)	15.10.2019 to 23.10.2019 1st Sessional.) (09.11.2019 to 15.112019 2nd Sessional)	(23.03.2021 to 28.03.2021 1st Sessional) 29.032021 to 03.04.2021 2nd sessional)	(23.03.2021 to 28.03.2021 1st Sessional) 29.032021 to 03.04.2021 2nd sessional)
	Schedule of Improvement Sessional of the year						

09	(III, V & VII Semester) B.Pharm II-IV	20.10.2018 to 27.10.2018	20.10.2018 to 27.10.2018	**3rd& Final Yr.**04.11.2019 to 11.11.2019	**3rd& Final Yr.**04.11.2019 to 11.11.2019		
	(I Semester) B. Pharm I	23.10.2018 to 29.10.2018	23.10.2018 to 29.10.2018				
10	**Schedule of B. Pharm University Examination of the year (Practical)**						
	F.Y.B. Pharmacy 2018/2019 Pattern	10.04.2018 to 15.04.2018	10.04.2018 to 15.04.2018	13.12.2019 to 17.12.2019	13.12.2019 to 17.12.2019	18.05.2021 to 20.05.2021	18.05.2021 to 20.05.2021
	S.Y.B. Pharmacy 2015/2018 Pattern	10.04.2018 to 24.04.2018	10.04.2018 to 24.04.2018	13.12.2019 to 17.12.2019	13.12.2019 to 17.12.2019	20.05.2021 to 23.05.2021	20.05.2021 to 23.05.2021
	T.Y.B. Pharmacy 2015/2018 Pattern	10.04.2018 to 19.04.2018	10.04.2018 to 19.04.2018	11.11.2019 to 20.11.2019	11.11.2019 to 20.11.2019	28.04.2021 to 01.05.2021	28.04.2021 to 01.05.2021
	Final Year B. Pharmacy (Sem VII) 2013/2015Pattern	12.04.2018 to 23.04.2018	12.04.2018 to 23.04.2018	11.11.2019 to 19.11.2019	11.11.2019 to 19.11.2019	28.04.2021 to 02.05.2021	28.04.2021 to 02.05.2021
Schedule of B. Pharm University Examination of the year (Theory)							
11	F.Y.B. Pharmacy (including credit pattern) 2018/2019 Pattern	20.11.2018 to 22.12.2018	20.11.2018 to 22.12.2018	02.12.2019 to 10.12.2019	02.12.2019 to 10.12.2019	10.04.2021 to 15.04.2021	10.04.2021 to 15.04.2021
	S.Y. B. Pharmacy (including credit pattern) 2013/ 2015 Pattern	22.11.2018 to 24.12.2018	22.11.2018 to 24.12.2018	30.11.2019 to 13.12.2019	30.11.2019 to 13.12.2019	10.04.2021 to 15.04.2021	10.04.2021 to 15.04.2021
	T.Y. B. Pharmacy 2013/2015 Pattern	20.11.2018 to 28.12.2018	20.11.2018 to 28.12.2018	03.12.2019 to 18.12.2019	03.12.2019 to 18.12.2019	10.04.2021 to 15.04.2021	10.04.2021 to 15.04.2021
	Final Year B.Pharm (/2013 & 2015 Pattern)	22.11.2018 to 29.12.2018	22.11.2018 to 29.12.2018	03.12.2019 to 18.12.2019	03.12.2019 to 18.12.2019	10.04.2021 to 15.04.2021	10.04.2021 to 15.04.2021
12	Diwali Vacation	04.11.2018 to 28.11.2018	04.11.2018 to 28.11.2018	25.10.2019 to 02.11.2019	25.10.2019 to 02.11.2019	11.11.2020 to 19.11.2020	11.11.2020 to 19.11.2020
13	Date of commencement of Next Semester	29.11.2018	29.11.2018	20.11.20219	20.11.2019	01.01.2021	01.01.2021
SECOND TERM							
	Academic Year	**2018-19**	**Conducted Date**	**2019-20**	**Conducted Date**	**2020-21**	**Conducted Date**
01	Start of Academic Session	01 Jan 2019	01 Jan 2019	First Week of	26.12.2020	First Week of Jan	01 Jan 2021

				Jan 2020		2021	
02	Date of commencement of classes B.Pharm. II- IV	01 Jan 2019	01 Jan 2019	26.12.2020	26.12.2020	15.05.2021	15.05.2021
	B.Pharm. I	01 Jan 2019	01 Jan 2019	26.12.2020	26.12.2020	01.01.2021	01.01.2021
03	NSS Special camp	First week of Jan 2019	01.01.2019 to 07.01.2019	First Week of Jan 2020	06.01.2020 to 12.01.2020	-------	----------
04	Republic day Celebration	26.01.2019	26.01.2019	26.01.2020	26.01.2020	26.01.2021	26.01.2021
05	Sport events	Second Week of Feb 2019	12 &13.02.2019				
06	Annual day celebration	Second Week of Feb 2019	18 & 19.02.2019	24.02.2020 to 29.02.2020	24.02.2020 to 29.02.2020	-------	--------
	Schedule of Practical Sessional Examination in Second Half of the Year						
07	I to IV B.Pharm/first sessional	04.03.2019 to 09.03.2019	04.03.2019 to 09.03.2019	**I & II year.** 11.03.2020 to 17.03.2020 **III & Final** 16.03.2020 to 21.03.2020	**I & II year.** 11.03.2020 to 17.03.2020 **III & Final** 16.03.2020 to 21.03.2020	**I year** 14.06.2021 to 20.06.2021 **II year** 07.06.2021 to 11.06.2021 **III year** 01.06.2021 to 06.06.2021 **Final yr** 08.06.2021 to 12.06.2021	**I year** 14.06.2021 to 20.06.2021 **II year** 07.06.2021 to 11.06.2021 **III year** 01.06.2021 to 06.06.2021 **Final yr** 08.06.2021 to 12.06.2021
	Second sessional exam	18.03.2019 to 23.03.2019	18.03.2019 to 23.03.2019	**I & II year.** 04.11.2019 to 09.11.2019 **III & Final** 04.11.2019 to 11.11.2019	**I & II year.** 04.11.2019 to 09.11.2019 **III & Final** 04.11.2019 to 11.11.2019	**II year** 07.06.2021 to 11.06.2021 **III year** 01.06.2021 to 06.06.2021	**II year** 07.06.2021 to 11.06.2021 **III year** 01.06.2021 to 06.06.2021
	Schedule of Theory Sessional Examination in Second half of the year						

08	I to IV B.Pharm (First Sessional)	11.03.2019 to 16.03.2018	11.03.2019 to 16.03.2018	**I & II year.**18.03.2020 to 24.03.2020 **III & Final** 23.03.2020 to 31.03.2020	**I & II year.**19.04.2020 to 29.04.2020 **III & Final** 19.04.2020 to 01.05.2020	**I year** 14.06.2021 to 20.06.2021 **II year**07.06.2021 to 11.06.2021 **III year** 01.06.2021 to 06.06.2021 **Final yr.** 1.06.2021to 7.06.2021	**I year** 14.06.2021 to 20.06.2021 **II year** 07.06.2021 to 11.06.2021 **III year** 01.06.2021 to 06.06.2021 **Final yr.** 1.06.2021to 7.06.2021
	Second Sessional exam	25.03.2019 to 01.04.2019	25.03.2019 to 01.04.2019	**I & II year.**25.05.2020 to 30.052020	**I & II year.**25.05.2020 to 30.052020	**I year**19.07.2021to 22.07.2021 II year 12.06.2021 to 16.06.2021 III year 07.06.2021 to 12.06.2021	**I year**19.07.2021to 22.07.2021 II year 12.06.2021 to 16.06.2021 III year 07.06.2021 to 12.06.2021
Schedule of Improvement Sessional Examination in Second half of the year							
09	I to IV B.Pharm	02.04.2019 to 11.04.2019	02.04.2019 to 11.04.2019	**III & Final** 25.05.2020 to 31.05.2020	**III & Final** 25.05.2020 to 31.05.2020		
Schedule of B. Pharm University Examination of the year (Practical)							
10	F.Y.B. Pharmacy 2018/2019Pattern	22.05.019 to 25.05.2019	22.05.019 to 25.05.2019	Exam was not conducted due to COVID-19 pandemic, Marks allotted as per the previous year record		22.06.2021 to 26.06.2021	22.06.2021 to 26.06.2021
	S.Y.B. Pharmacy 2018/2019 Pattern	24.04.2019 to 07.05.2019	24.04.2019 to 07.05.2019			18.06.2021 to 21.06.2021	18.06.2021 to 21.06.2021
	T.Y.B. Pharmacy 2015/2018 Pattern	24.04.2019 to 07.05.2019	24.04.2019 to 07.05.2019			18.06.2021 to 20.06.2021	18.06.2021 to 20.06.2021
	Final Year B. Pharmacy 2015	24.04.2019 to 10.05.2019	24.04.2019 to 10.05.2019	18.09.2020 to 24.09.2020	18.09.2020 to 24.09.2020	17.06.2021 to 21.06.2021	17.06.2021 to 21.06.2021

	Schedule of B. Pharm University Examination of the year (Theory)						
11	F.Y.B. Pharmacy (Sem I & II) including credit pattern 2018/2019 Pattern	25.04.2019 to 28.05.2019	25.04.2019 to 28.05.2019	Exam was not conducted due to COVID-19 pandemic, Marks allotted as per the previous year record		07.08.2021 to 12.08.2021	07.08.2021 to 12.08.2021
	S.Y.B. Pharmacy (Sem III & IV) including credit pattern2015/2018Pattern	26.04.2019 to 29.05.2019	26.04.2019 to 29.05.2019			01.08.2021 to 06.08.2021	01.08.2021 to 06.08.2021
	T.Y. B. Pharmacy2013/2018 Pattern	25.04.2019 to 01.06.2019	25.04.2019 to 01.06.2019			25.07.2021 to 31.07.2021	25.07.2021 to 31.07.2021
	Final Yr. B. Pharmacy2013/2015 Pattern	26.04.2019 to 03.06.2019	26.04.2019 to 03.06.2019	20.10.2020 to 27.10.2020	20.10.2020 to 27.10.2020	17.07.2021 to 24.07.2021	17.07.2021 to 24.07.2021
12	Farewell celebration	Last week of April 2019	29.04.2019	Last week of April 2020	30.04.2020	03.09.2021	03.09.2021
13	End of academic session	30.04.2019	30.04.2019	30.4.2021	30.4.2021	15.05.2021	15.05.2021
14	Summer vacation	14.05.2019 to 10.06.2019	14.05.2019 to 10.06.2019				
15	Date of commencement of next semester	10.06.2019	10.06.2019	10.06.2020	10.06.2020	10.06.2021	10.06.2021

*Due to COVID-19 , pandemic condition for academic year 2019-20 and 2020-21, planned dates was not executed.

2.2. Teaching-Learning Processes (110)

2.2.1 Initiatives in teaching and learning process (25) Self-assessment Marks: 25

(Processes may include adherence to academic calendar and improving instruction methods using pedagogical initiatives such as real world examples, collaborative learning, quality of laboratory experience with regard to conducting experiments, recording observations, analysis of data etc. encouraging bright students, assisting weak students etc. The implementation details and impact analysis need to be documented)

For first year students, teaching and learning process begins with an induction program. The program helps to orient students towards professional education and promote the capabilities in them to learn subjects. Emphasis is given on topics like: 'tips to learn better', 'how to benefit from theory classes', 'how to benefit from practical classes', 'how to face examinations and study plans'. These will immensely benefit the students towards self-learning and achieve high scores. Regular theory and practical classes are commenced as per the syllabus prescribed by the Savitribai Phule Pune University.

The college has taken several initiatives for effective implementation of teaching – learning process. The instructional methods are of two types i.e. Theory classes and practical mode (including demonstration and simulation). The methods and mechanism of implementation are as follows.

1. **For Theory classes:**

Lectures are the effective way of achieving the program outcomes (POs) and course outcomes (COs). Lectures are the best ways to get facts, make students to think and understand the concepts. Teachers keep students engaged in the class with several requirement based strategies. The teacher is readily available to clear the doubts instantaneously. Thus these make a platform to cover and improve the ability to design, formulate and solve problems. The course information and peripheral knowledge on the website are made available to promote learning.

On regular basis various pedagogical initiatives are followed for improving instructional methods

- Conventional teaching
- Google classrooms learning module
- Modern audiovisual tools
- Power point presentation
- Animations
- Group discussion
- Assignment
- Short quiz
- Open book test
- Use of atomic model set for building structures of organic compounds
- Preparation and demonstration of various models and charts

- Problem-based teaching.

2. For practical sessions:

Laboratory is an important component that allows students to acquire psychomotor (practical) skills.

- Prior to the initiation of classes (semester) and practical, tentative teaching schedule is prepared and circulated to students
- List of chemicals required for the lab is prepared and chemicals procured accordingly
- Maintenance of lab equipment was checked. SOPs are updated periodically for major equipment. Experiments are conducted as per the schedule.
- Laboratory experiments are systematically conducted as per the prescribed syllabus and standard protocols
- Results of the experiments are compared with those mentioned in the official monographs. If the obtained results are consistent and well within the limits, quality is ascertained

Regular practical consists of laboratory exercises and Viva voce. Marks are allotted for each student based on continuous mode of evaluation. In addition, students are trained to collect the data, transformation of data as per the scientific principles, analysis, and interpretation and drawing of conclusions. These skills also allow students to understand the theoretical principles. It is a place where POs can be attained because of high contact time between teacher and students.

Practical sessions are allotted with laboratory time which is devoted for demonstration and practice. Practical session is implemented as follows.

Batch wise distribution: Each class is distributed into three batches with maximum 20 students in each batch.

- **Pairing of students:** Students are paired into a group of two in regular practical session. This practice helps in understanding concepts and also getting exposure to each student and copes up with the experimental requirements. This practice develops the ability of co- working and it helps weaker students to understand the concept of practical.
- **Encouraging bright students:** Based on interest as well as the previous examination marks, students showing an aptitude for a particular subject are encouraged to read different references books and journals. Students are advised to refer research articles in order to gain the latest knowledge regarding the topic.
- **Attendance and Continuous assessment:** Attendance for laboratory work is almost full. Continuous assessment is based on:
    - Attendance
    - Practical Performance
    - Viva-voce
    - Journal

Facilities for Conduct of experiments:

- Lab manual
- SOPs of major equipment
- Availability of modern and sophisticated instruments
- Departmental library
- Recalibrated instruments
- Demonstrative experiments
- Simulation experiments
- Competitions in problem solving and analysis and
- Making of charts and models

Collaborative learning is achieved through some practical wherein the interaction between students and teachers are high.

Experimental work in each practical is recorded in Laboratory journal and daily assessment is done by subject in charge.

Daily issue registers and log books are maintained by laboratory technician, These are monitored by faculty and assessed by the Head of Department.

Various student centric methods are followed by the institute to enhance learning experience and overall development of students. Experiential learning, participative learning and problem solving methodologies are used to enhance learning experience. The institution adopts these approaches to make learning more students-centric, which includes real world examples and collaborative learning. These initiatives help to assist advanced learners as well as slow learners.
Apart from the regular theory and practical sessions following efforts are made for effective teaching-learning process.

1. **Educational/Industrial Visits:** Visit to resource centers, work places and research organizations help in exploring opportunities and have greater impact on students. The visits allow students to make real-life decisions and sometimes help in career exploration, decision making and to become life-long learners.

2. **Seminars:** These serve as a platform for sharing knowledge/expertise in advanced areas, which results in collaboration and attempt for enhancement of skills, techniques and modern tools necessary for the practice of pharmacy profession. Several POs can be attained in a seminar on account of flexibility. Seminars are given to students as part of communication and leadership development.

3. **Guest Lectures/Expert Talks:** talks by the eminent experts working in pharmaceutical industries/research organizations/ practicing pharmacists help students and faculty to

understand current trends in various spheres, which lead to the attainment of POs. External resource persons also add value to the program and help students to realize the link between education and real world in the profession. These talks become a bridge to fill the gaps and also develop rapport for meeting the future needs of the industries / research organizations / universities. Such talks promote the sense of life-long learning, As a part of this exercise, the college also conducts workshops.

4. Language Laboratory helps in development of effective communication

5. Self Learning resources such as library, guest lectures, industrial visit, industrial training etc.

6. The ICT usage includes software like Chemdraw, Chemsketch, X-cology,powerpoint presentation and video making.

7. The institute follows the Mentor-Mentee system to encourage the bright students and to assist the weak students by performing various activities such as
   - Group discussion
   - Aptitude test
   - Technical knowledge
   - Participation in Social activity
   - Interview skills
   - Personality development
   - Counseling
8. Every year awards are given to academic toppers in annual social gathering which develop the competitive attitude in all advance learners.
9. Question bank is provided to slow learners and the answers are evaluated by subject teacher. This practice helps the students to improve their performance.
10. Preliminary test is conducted to first year student before the university examination.
11. Student feedback on teaching learning process is taken in at end of each semester.

Course File: For each course, a course file is prepared by the concerned faculty for their allotted subjects including laboratory and is being maintained throughout the course. It is monitored by HoD and academic advisory committee. Content of course file is shown as follows.

- Vision , Mission, PEO, COs and POs
  1. Profile of Faculty
  2. Previous semester result analysis
  3. Time table
  4. Workload
  5. Office order mentioning responsibilities
  6. Teaching plan for Theory
  7. Teaching plan for Practical

8. Syllabus Completion Report
9. Classroom Teaching Record
10. Laboratory Teaching Record
11. Sessional Mark Analysis
12. Teaching Compensation report
13. Content Beyond Syllabus
14. Training & Visit Record
15. Consultancy Record
16. Co-curricular & Extra-curricular record
17. UG/PG Project guidance record
18. Seminar /conference attended
19. Faculty publication details
20. Expert talk
21. Records of University duty performed
22. Student counseling
23. Seminar Guidance record.
24. Syllabus copy
25. Previous question papers
26. List of students for that academic year
27. Sessional Mark list question wise for Theory and Practical
28. University Mark list Theory and Practical
29. Result of analysis of CO-PO attainment

Impact analysis:

- The strong and supportive teaching learning processes implemented in our institute yielded excellent results in university examination.
- This has also helped in improvement of overall performance of students which reflected in placement and higher studies ratio.
- Students could qualify GPAT with good all India rank.
- Helped in overall improvement in confidence, communication and enterpreunial skills.

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

Self-assessment Marks:10

(Mention the initiatives, implementation details and impact analysis related to quality assurance of semester question papers, assignments that encourage and empower the students to develop skills and higher orders of learning and evaluation)

- The institute has established the 'Institutional Examination Committee' (IEC) which includes Principal, Heads of the Departments, sessional in charge and College Examination Officer.
- The institute follows the guidelines set by the Savitribai Phule Pune University for internal examination and semester end examination
- In Non-CBCS based curriculum, (2013 pattern) the percentage of marks for internal examination was 30% and university semester end examination was 70% respectively.
- For CBCS based curriculum, (2015 pattern), the percentage of marks for internal examination is 40% and university semester end examination is 60% respectively.
- For CBCS based curriculum (2018/19 Pattern) the percentage of marks for theory internal examination is 25 and university semester end examination is 75 respectively. Practical internal examination is 15 and university semester end examination is 35 respectively.
- **Initiatives and implementation of Internal Examinations**
    - Internal examinations are monitored and controlled by Sessional in charge of IEC in consultation with CEO, HoD and Principal.
    - Examination notification and time table is displayed on notice board at least eight days before the commencement and circulated among faculty for conduct of internal examination.
    - Internal question paper generally ensures coverage of COs by 100 percent. Around 40-50 percent of COs are met in the first and the rest in second Sessional examinations. This ensures the coverage of COs by 100 percent before the commencement of final examinations.
    - The subject in-charge must map the question paper with all defined course outcomes (COs).Subject teachers are strictly instructed to frame and set the question papers as per the pattern, scheme and format prescribed by the University. The Question papers, assignments and short quiz's are framed using Blooms taxonomy for defined course outcomes and approved by concerned HoD.
    - The question paper and answer key are submitted to internal Sessional in charge in sealed envelope.
- For semester end theory examinations, the institute follows the guidelines prescribed by the university. University appoints external senior supervisor to conduct and supervise the institute's examination in smooth and fairly manner.
- The college examination officer(CEO) and internal senior supervisor along with supporting staff are appointed by the Principal for coordinating and conducting the University Examination.

The university provides question papers online through its web portal as per schedule. The question paper is password protected which can be downloaded upon receiving password by CEO in presence of external senior supervisor, printed and photocopies are made available as per strength of students in examination control room under CCTV surveillance few minutes before the commencement of examination.

- The semester end practical examinations are conducted by internal and external examiners appointed by the university.

Assessment process:

- The internal answer sheets are evaluated by respective subject teacher as per the deadline given by exam department in stipulated time and submitted to exam section.
- The exam section maintains the records of attendance of students, supervisors, questions papers, answer keys, Sessional mark list and mark analysis report as per course outcomes (COs).
- Evaluated answer sheets are shown to the students for transparency in evaluation process and then the final mark lists are displayed on notice board.
- The internal marks are then entered in mother register and signed by respective teachers and students. The internal marks are then entered in University portal by respective subject in charge in presence of CEO and printed copy signed by teachers is submitted to the examination department for maintaining transparency and accountability.
- The assessment of answer sheets of semester end examination is done at respective Central Assessment Program (CAP) centers of the university.
- Results are declared online by the university showing statement of marks with class, CGPA or SGPA award.
- The graduation ceremony is conducted at institutional level as per the instructions and guidelines of the University and degree certificates are distributed to graduating students in presence of eminent personalities.

Impact:

Quality of internal question papers and continuous evaluation process (Assignment, Short quiz, and seminar)along with mapping of each CO helped in attainment of the POs, which in turn has helped to encourage and empower the students to develop skills and higher orders of learning. This process helped in improvement of POs attainment in next batch.

2.2.3. Quality of Students Projects (15) **Self-assessment Marks:15**

(Quality of the project is measured in terms of consideration to factors including, but not limited to, environment, safety, ethics, cost, type (application, product, research, review etc.) and standards. Processes related to project identification, allotment, continuous monitoring, evaluation including demonstration of working prototypes and enhancing the relevance of projects. Mention Implementation details including details of POs and PSOs addressed through the projects with justification)

A) Identification of projects and allocation methodology to faculty members

The syllabus for B.Pharm program does not demand research activity/ projects by undergraduate students throughout the four year program. However, to encourage the students in understanding the concept of research projects institute has implemented ….

- Short term Review / research project
- Avishkar competition projects
- Environment science projects

Third year and Final year student undertakes projects which are spread over a period of semesters out of the curriculum. Teachers are instructed to guide a group of two students for review or research. Students in consultation with teacher select a topic. The students then perform literature survey, formulate the problem individually and then proceed further. Projects are designed with respect to safety, applications, ethics etc.out of these projects, those are having societal applications and outcomes are further promoted to participate in various competitions such as Avishkar, National level poster presentation competitions.

The university has recommended implementation of two courses i.e. Environmental Science & Industrial training. The environmental science projects involved different types such as pollution control and mitigation, natural resource management, effect of global climate change and renewable energy. These projects also focus on current research thrustto update knowledge with respect to Pharmaceutical industry.

B) Type and relevance of the projects and their contribution to POs:

Teachers and students select topics that are relevant to the learning of pharmacy and the teachers ensure that while selecting the topic, contribution to respective POs is assured. Projects normally cover a wide range of POs. Students are encouraged to publish their research outcome in various journals or present in various conferences held during the year.

C) Process of monitoring and evaluation:

After finalization of title students start working on experimental design based on objectives and hypothesis. The guiding teacher continuously monitors the progress of project work by way personal visit and interaction with the students. If necessary, teacher may ask individual student for

presentation as well. After successful completion of experimental work and analysis of data students draftthe reports in consolation with guiding teacher and final outcome is presented in the form of oral / poster presentations. The principal is also a signatory to final project report.

D) Process to assess individual and team performance

Assessment of projects is done considering factors such as – (i) quality, (ii) the state-of the-art technology used in execution, (iii) relevance to society, industry and academics, (iv)the use and development of theoretical and experimental methods, and (v) the coverage of broader areas of the Pharmacy. Faculty uses rubrics for the assessment of projects for the internal assessment.

E) Quality of completed projects/ working prototypes:

We encourage our students to present their experimental findings at various conferences. We also encourage them to publish their work in national/international scientific journals. The impact is resulted into evaluation of quality of projects by evaluator for further study.

F) Evidences of Papers/posters presented in conferences:

Following is the list of various research/review work of students published (Table 2.2.3.1)and presented in Zonal/ State/ National level conferences (Table 2.2.3.2) .

Table 2.2.3.1: List of papers published in reputed journals

Sr. No.	Title of paper	Authors	Name of Journal	Year of Publication Vol., Issue, Page no.
1	Antiurolithiatic activity of Bryophyllum pinnatum Lam. Hydroalcoholic extract in sodium oxalate induced urolithhiasis in rats	R.B. Pandhare R.R. Shende M.S. Avhad V.K. Deshmukh P.B. Mohite B. Sangameswaran, R.B. Daude	Journal of Traditional and complementary Medicine	2021, 11,545-551
2	Stability-Indicating Reverse-Phase High-Performance Liquid Chromatographic Method Development and Validation of Lamotrigine in Bulk and Pharmaceutical Dosage Form	Vilas B. Ghawate, Shubham D. Sikchi, Chetan C. Kedari, Varsha S. Jadhav, V. K. Deshmukh, Prerana Mote	Asian Pacific Journal of Health Sciences	2021, Vol. 8 | Issue 4 | October-December,155-159
3	Fast dissolving oral disintegrating Films of Valsartan	Katarnavare A.B. Patel J.A.	International journal of Engineering applied science Technology	Communicated

4	Antidiarrheal activity of *Clitorea ternatea* Linn. (Fabaceae) ethanol leaf extract in rats	Ramdas Bhanudas Pandhare, Sangameswaran Balakrishnan, Gaurav Dnyandeo Bangar, Pramod Dnyandeo Dighe, Vinayak Kashinath Deshmukh	Journal of research in Ayurveda	2018 , 39 ; 1 ;40-45
5	Antidiarrheal potential of *Adenanthera pavonina* Linn Seed Aqueous Extract in Experimental Animals	Ramdas Bhanudas Pandhare, Sangameswaran Balakrishnan, Gaurav Dnyandeo Bangar, Pramod Dnyandeo Dighe, Vinayak Kashinath Deshmukh	International Journal of Chinese Medicine	2017, 1, 4, 116-120

Table 2.2.3.2: List of projects presented in conferences

Sr. No	Name of Student	Name of topic	Name of guide	Date	Conference/Work/Seminar participated	Venue	Relevance with PO's
Academic Year 2020-21							
1.	Miss. Kharad Sharayu	Coronavirus (cov)-update	Dr.J.G. Wagh	28/2/2020-29/2/2020	1 st International Conference on Climate Change and its Effect on Biodiversity,Commerce and Economocs.	Arts Commerce and Science College, Sonai	PO1,PO3,PO5, PO11
2.	Mr. Jadhav Vishal	Formulation of Madshunashini integtared food products for Diabetis mellitus	Dr.J.G. Wagh	28/2/2020-29/2/2020	1 st International Conference on Climate Change and its Effect on Biodiversity,Commerce and Economocs.	Arts Commerce and Science College, Sonai	PO1,PO3,PO5, PO11
Academic Year 2019-20							
1	Miss. Sule Shruti	Enhancement of aqueous solubility of Pentoxifylline by microsponge technique	Dr. Pawar A R	1/11/2019-15/11/2019	Avishkar 2019-20	PDVVPFS College of Engineering , Vilad ghat	PO1,PO3,PO5, PO11
2	Miss.Pund Nikita, Miss.Sule Shruti	Preparation and evaluation of modified kumkum powder to reduce allergic	Dr. Wagh J G	1/11/2019-15/11/2019	Avishkar 2019-20	PDVVPFS College of Engineering	PO1,PO3,PO5,PO11

		reactions					
3	Mr. Khamkar Shubham	Formulation and evaluation of self emulsifying drug delivery system (SNEDDS) of Loratidine	Dr. Mohite P B	1/11/2019-15/11/2019	Avishkar 2019-20	PDVVPFS College of Engineering	PO1,PO3,PO5, PO11
4	Miss.Salunke Komal, Miss. Khedker Snehal	Antithyroid Biscuits	Mr. Ghule A V	1/11/2019-15/11/2019	Avishkar 2019-20	PDVVPFS College of Engineering	PO1,PO3,PO5, PO11
5	Mr.Patel Junaid	Formulation of Madhunasini integrated food product for Diabetes Mellitus	Dr. Wagh J G	1/11/2019-15/11/2019	Avishkar 2019-20	PDVVPFS College of Engineering	PO1,PO3,PO5, PO11
6	Mr. Dhaktode Chetan	Chemical composition and antibacterial activity of croton bonplandianum baill,leaves	Mrs. Jadhav V. S.	1/11/2019-15/11/2019	Avishkar 2019-20	PDVVPFS College of Engineering , Vilad ghat	PO1,PO3,PO5, PO11
Academic Year 2018-19							
1	Mr. James Anosh, Mr.Khamker	Synthesis and biological evaluation of	Dr. Mohite P.B.	1/3/ 2019	SPPU Sponsored two days National Level Conference on	Amrutwahini College of Pharmacy,	PO1,PO3,PO5, PO11

	Shubham	Pyridine-2(1H)-onederivative			"Harnessing Natural Bioactive Compounds in Modern Medicine"	Sangamner	
2	Miss.Khaleker Shital, Miss.Salve Rutuja	Formulation and evaluation of paracetamol tablet using natural plant based excipient as a binder	Dr. Wagh J G	6/2/2019-7/2/ 2019	SPPU Sponsored two days National Level Conference on"Pharmacovigilance:The need of 21th Century"	PRES College of Pharmacy, Loni	PO1,PO3,PO5, PO11
3	Miss.Salunke Komal, Miss.Khandare Apurva	Boswellia Serrata loaded chewable tablet for osteoarthritis	Dr.Pandhare R B	6/2/2019-7/2/ 2019	SPPU Sponsored two days National Level Conference on"Pharmacovigilance:The need of 21th Century"	PRES College of Pharmacy, Loni	PO1,PO3,PO5, PO11
4	Miss.Chandak Sukanya	Formualation and evaluation of cream prepared from calotropis gigantea root bark and their wound healing activity	Dr. Wagh J G	1/2/2019-2/2/ 2019	SPPU Sponsored two days State Level Conference on "Exploring the Challenges in Pharmaceutical Chemistry for the Future"	Sitabai Thite College of Pharmacy, Shirur, Pune	PO1,PO3,PO5, PO11
5	Miss.Lokhande Vijayanti, Miss.Dole Monika	Formulation and evaluation of herbal hair oil	Dr. Wagh J G	15/2/2019-16/2/ 2019	SPPU University Sponsored two days State Level Conference on, "Recent Innovations in Pharmaceutical	MES College of Pharmacy, Sonai	PO1,PO3,PO5, PO11

					Science”		
6	Miss.Chandak S, Miss.Salve R. Miss.Khalekar S, Miss.Dole M, Miss.Darkunde J	Nutritional food product: Ideal treatment and preventive measure in cancer.	Dr. Wagh J G	5/12/2018-13/12/2018	Avishkar 2018-19	College of Engineering Vilad Ghat, Ahemednager	PO1,PO3,PO5, PO11
7	Miss.Sukanya S Chandak and Miss.Rutuja S Salve	Nutritional food product: Ideal treatment and preventive measures in cancer	Dr. Wagh J G	5/12/2018-13/12/2018	Avishkar zonal level	College of Engineering Vilad Ghat, Ahemednager	PO1,PO3,PO5, PO11
8	Miss.Sheetal B Khalekar	Formulation and Evaluation of herbal anthelmentic and anticavity lollipops	Dr. Wagh J G	5/12/2018-13/12/2018	Avishkar zonal leve	College of Engineering Vilad Ghat, Ahemednager	PO1,PO3,PO5, PO11
9	Miss.DoleMonica D	Gymnema Sylvestre incorporated foods for diabetes mellitus	Dr. Wagh J G	5/12/2018-13/12/2018	Avishkar zonal level	College of Engineering Vilad Ghat, Ahemednager	PO1,PO3,PO5, PO11
10	Miss Jyoti B Darkunde	Formulation and Evaluation of hair oil from	Dr. Wagh J G	5/12/2018-13/12/2018	Avishkar zonal level	College of Engineering Vilad Ghat,	PO1,PO3,PO5, PO11

		cow urine				Ahemednager	
11	Mr.Tambe Sagar S., Miss.Thombare Aishwarya V	In-vivo and in-vitro diabetic wound healing effects of eclipta alba and calotropis gigantea	Mr. Bairagi S. M.	1/3/2019-2/3/ 2019	SPPU Sponsored two days National Level Conference on "Harnessing Natural Bioactive Compounds in Modern Medicine"	Amrutwahini College of Pharmacy, Sangamner	PO1,PO3,PO5, PO11
Academic Year 2017-18							
1	Miss.Borude Shamal. Miss.Ghume Vaishali.	Novel drug delivery strategies for drug delivery of low molecular weight heparins-a review	Mr. Aher A A	9/2/2018-10/02/2018	SPPU Sponsored two days State Level Conference on, "Green Chemistry-Role in Environmental Protection"	PRES College of Pharmacy, Loni	PO1,PO3,PO5 ,PO11
2	Mr. Amate Prakash. Miss.Lokhande Vaijayanti	Regulatory aspects of Ayurvedic Siddha and Unani medicines	Mrs. Jadhav V. S.	8/2/2018	SPPU University Sponsored one days State Level Seminar on "New Perspectives of Nano Harbal Medicine"	PRES College of Pharmacy, Loni	PO1,PO3,PO5, PO11
3	Miss.Borude Shamal	Preparation and evaluation of nutritional nut bread from psidium guajava as a base	Mr. Ghule A. V.	16/2/2018-17/02/2018	SPPU Sponsored two days National Level Seminar on, "Intellectual Property Rights:New Age Challenges"	MES College of Pharmacy, Sonai	PO1,PO3,PO5, PO11

4	Miss.Chaitali Banker	Edible plates and spoons with oral hygiene	Mrs. Wagh J G	10/12/2017	Avishkar zonal level	Arts Commerce and Science College, Rahuri.	PO1,PO3,PO5, PO11
5	Mr. Mule Aditya, Mr. Lande Vikeen	Preparation of herbal tea	Mrs. Jadhav V S	10/02/2017 - 11/02/2017	SPPU Sponsored two days National Level Seminar on "Opportunities and Challenges in Development of Herbal Formulation"	Amrutvahini College of Pharmacy, Sangamner.	PO1,PO3,PO5, PO11
Academic Year 2016-17							
1	Miss.Khabiya Prachi. Miss.Verma Jagruti	Enhancement of dissoluation characteristic of poorly soluble atorvastatin calcium by solid dispersion techniques	Mr. Agale K B	18 /03/2017	SPPU Pune Student Welfare Department and Arts commerce science college Sonai Jointly organized one day workshop on "Developing Research Attitude in Students"	Arts commerce science college Sonai	PO1,PO3,PO5, PO11
2	Miss.Karade Rupali. Miss.Nangare Rohini.	Opportunities and challenges of Indian pharmaceutical sector- an overview	Mrs. Sonawane M D	9/2/2017- 10/2/2017	SPPU Sponsored two days National Level Seminar on, "The Recent Advances in Therapeutic Equivalence Evaluation and Drug Approval Process in India."	PRES College of Pharmacy, Loni	PO1,PO3,PO5, PO11
3	Mr. Kandeker	Enhancement	Mr. Pawar A	3/2/2017-	SPPU Sponsored two	MES College	PO1,PO3,PO5,

	Rushikesh	of aqueous solubility of Ezogabine	R	4/2/2017	days National Level Seminar on, "Expanding Boundaries in Pharmaceutical Research"	of Pharmacy, Sonai	PO11
4	Mr. Divate Vitthal Mr.Wakde Shubham S	Phyto-filtration assembly: Different approach of waste water treatment	Mrs. Wagh J G	10/01/2017 -11/1/2017	Avishkar 2016-17 Zonal level	SPPU, Pune	PO1,PO3,PO5, PO11
5	Mr. Maharpude Prateek B &Mr.More D V	Development and evaluation of herbal lollipop for oral hygiene	Mrs. Wagh J G	10/01/2017 -11/1/2017	Avishkar 2016-17 Zonal level	SPPU, Pune	PO1,PO3,PO5, PO11
6	Mr. Kandekar R S & Miss.Bankar C S	Eat with it and then eat it for oral hygiene	Mrs. Wagh J. G.	10/01/2017 -11/1/2017	Avishkar 2016-17 Zonal level	SPPU, Pune	PO1,PO3,PO5,PO 11
7	Mrs. Wagh J G	Targetting C-flip inhibitors as a nutritional food: Ideal treatment and preventive measures for cancer	Mrs. Wagh J. G.	10/01/2017 -11/1/2017	(Avishkar 2016-17 Zonal level)	SPPU, Pune	PO1,PO3,PO5, PO11
8	Mr.Kale D B	Medicinal plant potential	Mr. Bairagi S. M.	10/02/2017 -	Savitribai Phule Pune University Sponsored	Amrutvahini College of	PO1,PO3,PO5, PO11

		in wound healing		11/02/ 2017.	two days National Level Seminar on "Opportunities and Challenges in Development of Herbal Formulation"	Pharmacy, Sangemner.	

- **Environmental Science Projects**

✓ A course in Environmental Awareness with duration of six months (30 lectures of one hour duration & field work projects of 10 hours duration) was introduced at the Semester III of second year of degree course B. Pharmacy as a compulsory course (Table 2.2.3.3).

✓ A course Coordinator/ Qualified teacher is appointed to organize teaching and evaluation by the Principal.

✓ The college on behalf of the University will conduct the examination of this subject immediately before or after Semester examinations of S.Y./T.Y./Final Year B. Pharmacy.

✓ Student should clear this subject before passing the Final Year B. Pharm Examination and in order to obtain degree certificate.

✓ **Examination:** The College organizes the evaluation and the Principal submits the result sheet to the Director of Examination, Savitribai Phule Pune University, Pune on or before the end of the final year University Examinations of B.Pharm. Course.

✓ Evaluation pattern given by SPPU, Pune is as follows.

Sr.No.	Head	Marks Distribution
1	Multiple choice questions	50
2	Essay type questions	25
3	Field work	25
	Total Marks	100

Following Grades are awarded to the students based on their marks obtained.

Grade-O : above 75 Grade-A: 61 to 75 Grade-B : 51 to 60 Grade-C : 40 to 50

Table2.2.3.3: Environmental Project List

Sr.No	Name Of Student	Name of Project	Type (Review/ Research)	Relevance with PO's
Academic Year 2016-17				
1	Miss. Wable K.A.	Forest Resources	Review	PO2,PO10,PO11
2	Miss. Dole M.D.	Solid Waste Management	Review	PO2,PO10,PO11
3	Miss. Salve R.S.	Environmental Management System	Review	PO2,PO10,PO11
4	Miss. Chandak S.S.	Bhopal Gas Tragedy	Review	PO2,PO10,PO11
5	Mr. Mate M.N.	Global Warming	Review	PO2,PO10,PO11
6	Mr.Warade R.B.	Factor Responsible For Ozone Layer	Review	PO2,PO10,PO11
7	Miss. Khude P.B.	Sugar Factory Pollution	Review	PO2,PO10,PO11
8	Miss. Walhekar K.A.	Agriculture Pollution	Review	PO2,PO10,PO11
9	Miss Shelar S.D.	Air Resources	Review	PO2,PO10,PO11
10	Mr. Shinde N.A.	Aquatic Ecosystem	Review	PO2,PO10,PO11

11	Miss. Adhav Y.B.	Effect Of Fertilizer On The Soil	Review	PO2,PO10,PO11
12	Miss. R.Pawar T.R.	ISO	Review	PO2,PO10,PO11
13	Miss. Lokhnde V.M.	Grass Land Ecosystem	Review	PO2,PO10,PO11
14	Mr.Kale D.B.	Effect Of Insecticide And Pesticide On Human Being	Review	PO2,PO10,PO11
15	Miss. Dongare S.K.	Environmental Life Cycle	Review	PO2,PO10,PO11
16	Miss. Thombare A.V.	Environmental Pollution	Review	PO2,PO10,PO11
17	Khandagale A.S.	Ecology And Ecosystem	Review	PO2,PO10,PO11
18	Mr. Bhanushe A.K.	Noise Pollution	Review	PO2,PO10,PO11
19	Mr.Amate P.K.	Rain Water Harvesting	Review	PO2,PO10,PO11
20	Mr.Mule A.R.	Human Rights	Review	PO2,PO10,PO11
21	Mr.Wayabase S.B.	Solar Radiation Management	Review	PO2,PO10,PO11
22	Mr.Bhanuse A.B.	Soil Pollution	Review	PO2,PO10,PO11
23	Miss. Lambe V.B.	International Organization For Standardization	Review	PO2,PO10,PO11
24	Mr.Tambe S.S.	Earthquake	Review	PO2,PO10,PO11
25	Mr. Jangale S.K.	Acid Rain	Review	PO2,PO10,PO11
26	Mr.Memane A.D.	Food Resources	Review	PO2,PO10,PO11
27	Miss. Bavake S.B.	Biodiversity	Review	PO2,PO10,PO11
28	Miss. Phopase A.S.	Disposal Of Waste	Review	PO2,PO10,PO11
29	Mr.Harde G.D.	Effect Of Organism On environment	Review	PO2,PO10,PO11
30	Mr. Todmal R.D.	Nuclear Hazards	Review	PO2,PO10,PO11
31	Miss. Dhumal B.B	Marine Pollution	Review	PO2,PO10,PO11
32	Mr.Ghule V.M.	Effect Of Disaster On Human Being	Review	PO2,PO10,PO11
33	Miss. Shirsath K.M.	Sun Protection	Review	1,2,10,11
34	Miss. Jadhav M.V.	Aquatic Ecosystem	Review	PO2,PO10,PO11
35	Mr.Dhanak P.G.	Wild Life Protection Act	Review	PO2,PO10,PO11
36	Mr.Kekare G.S.	Disposal Of Waste	Review	PO2,PO10,PO11
37	Mr. Nanaware K.S.	Sun Protection Factor	Review	PO2,PO10,PO11
38	Mr. Bodakhe A.A.	Medicinal Plant	Review	1,2,10,11
39	Mr.Gore G.D.	Nature Of Environmental Studies	Review	PO2,PO10,PO11
40	Mr.Mane P.A.	Forest Resources	Review	PO2,PO10,PO11
41	Mr. Shembade K.K.	Industrial Waste Management	Review	PO1,PO2, PO10,PO11
42	Miss. Bedke G.J.	Urban Problem Related To Energy	Review	PO2,PO10,PO11
43	Miss. Ghodake K.K	India Is Mega Diversity Nation	Review	PO2,PO10,PO11
44	Miss. Khilari A.Z.	Water Resources	Review	PO2,PO10,PO11
45	Miss. Shelke S.K.	Biodegradation	Review	PO2,PO10,PO11
46	Mr. Jagtap V.J.	Environmental Control In	Review	PO1,PO2,

		Pharmaceutical Industry		PO10,PO11
47	Mr. Khemnar D.P.	Thermal Pollution	Review	PO2,PO10,PO11
48	Mr. Pawar A.B.	Environmental Issue In India	Review	PO2,PO10,PO11
49	Mr.Rahane G.R.	Environment And Human Health	Review	PO2,PO10,PO11
50	Miss. Pawal S.K.	Moist Pollution	Review	PO2,PO10,PO11
51	Miss. Gulave K.R.	Role Of Information Technology In Environment And Human Health	Review	PO2,PO10,PO11
52	Miss. Tandale S.S.	Ecology	Review	PO2,PO10,PO11
53	Miss. Tarawade P.B.	Effect Of Industrialization Ecology	Review	PO2,PO10,PO11
54	Miss. Khalekar S.B.	Natural Resources	Review	PO2,PO10,PO11
55	Miss. Balid S.N.	Forest Ecosystem	Review	PO2,PO10,PO11
56	Mr.Jadhav K.P.	Acid Rain	Review	PO2,PO10,PO11
57	Mr.Harischandre R.S.	Air Pollution	Review	PO2,PO10,PO11
58	Miss. Darkunde J.B.	Nature Of Environmental Studies	Review	PO2,PO10,PO11
59	Mr.Kadu O.D.	Green House Effect	Review	PO2,PO10,PO11
60	Mr.Domale R.M.	Food Resources	Review	PO2,PO10,PO11
61	Miss. Sonawane S.S.	Environmental Management System	Review	PO2,PO10,PO11
62	Jadhav S.S.	Waste Water Treatment	Review	PO2,PO10,PO11
63	Mr. Bankar R.B.	Ocean Life And Oil Spills Definition	Review	PO2,PO10,PO11
64	Mr.Walunjkar R.V.	ISO	Review	PO2,PO10,PO11
65	Mr.Ohal D.K.	Environment Impact Assessment	Review	PO2,PO10,PO11
Academic Year 2017-18				
1	Miss. Sonawane R.V.	Wild Life Protection Act	Review	PO2,PO10,PO11
2	Miss. Bade P.A.	Green India Clean India	Review	PO2,PO10,PO11
3	Mr.Zalte R.S	Disaster Management	Review	PO2,PO10,PO11
4	Miss. Bangera K.B.	Biodiversity	Review	PO2,PO10,PO11
5	Miss. Deokar R.M.	Land Resource	Review	PO2,PO10,PO11
6	Mr.Dhorajkar S.T.	Plastics Recycling	Review	PO2,PO10,PO11
7	Mr.Ganjure M.M.	Environmental Pollution	Review	PO2,PO10,PO11
8	Miss. Gire A.R.	Soil Quality	Review	PO2,PO10,PO11
9	Miss. Godbole D.P.	Desert Ecosystem	Review	PO2,PO10,PO11
10	Mr.Kakade R.R.	Natural Resources	Review	PO2,PO10,PO11
11	Miss. Joshi A.R.	Ecosystem	Review	PO2,PO10,PO11
12	Miss. Kulkarni S.S.	Waste Management	Review	PO2,PO10,PO11
13	Miss. Salunke A.P.	Environmental Control In Pharmaceutical Industry	Review	PO1,PO2, PO10,PO11
14	Miss. Doiphode	Forest Ecosystem	Review	PO2,PO10,PO11

	P.B.			
15	Mr.Panasmbal P.B.	Medicinal Plant	Review	1,2,10,11
16	Miss. Kuslakar S.S.	Agriculture Pollution	Review	PO2,PO10,PO11
17	Miss. Ighe S.S.	Greenhouse Effect	Review	PO2,PO10,PO11
18	Miss. More G.R.	Environmental Pollution	Review	PO2,PO10,PO11
19	Mr.Kale C.A.	Environmental Control In Pharmaceutical Industry	Review	PO1,PO2, PO10,PO11
20	Miss. Giram S.N.	Built Environment	Review	PO2,PO10,PO11
21	Miss. Hon B.P	Rain Water Harvesting	Review	PO2,PO10,PO11
22	Miss. Pagire P.S.	Noise Pollution	Review	PO2,PO10,PO11
23	Mr. Kadam R.S.	Acid Rain	Review	PO2,PO10,PO11
24	Miss. Mhaske R.R.	Soil Contamination	Review	PO2,PO10,PO11
25	Mr. Kokate A.R.	Population Growth	Review	PO2,PO10,PO11
26	Miss. Mehetre J.V.	Hospital Waste Management	Review	PO2,PO10,PO11
27	Miss. Munde A.S.	Global Warming	Review	PO2,PO10,PO11
28	Miss. R.Pund N.S.	Role Of Information Technology In Environment And Human Health	Review	PO2,PO10,PO11
29	Mr. Nawale A.C.	Ground Water And Drinking Water	Review	PO2,PO10,PO11
30	Mr. Karne M.M.	Non-Governmental Organization	Review	PO2,PO10,PO11
31	Mr.Gavhane V.D.	Disposal Of Waste	Review	PO2,PO10,PO11
32	Mr. Gadedar S.K.	Waste Water Treatment	Review	PO2,PO10,PO11
33	Mr.Jagirwar A.M.	Ecology And Ecosystem	Review	PO2,PO10,PO11
34	Mr. Gugale S.S.	Urbanization	Review	PO2,PO10,PO11
35	Miss. Adawale S.S.	Environment And Human Health	Review	PO2,PO10,PO11
36	Miss. Akade M..S	Wild Life	Review	PO2,PO10,PO11
37	Mr. Bhabad D.R.	Bhopal Gas Tragedy	Review	PO2,PO10,PO11
38	Mr. Dongare A.M.	Sugar Factory Pollution	Review	PO2,PO10,PO11
39	Miss. Gaikwad R.N.	Factory Pollution	Review	PO2,PO10,PO11
40	Mr.James A.A.	Ecology	Review	PO2,PO10,PO11
41	Miss. Kad A.S.	Sugar Industry Solution	Review	PO2,PO10,PO11
42	Mr.Gavhane M.G.	Environmental Control In Pharmaceutical Industries	Review	PO2,PO10,PO11
43	Mr.Khamakar S.A.	The Impact Of Population Health And Environment Project	Review	PO2,PO10,PO11
44	Mr.Khandare A.B.	Industrial Pollution	Review	PO2,PO10,PO11
45	Mr.Sangale D.P.	Solar Radiation Management	Review	PO2,PO10,PO11
46	Mr.Salunke K.S.	Agriculture Pollution	Review	PO2,PO10,PO11
47	Miss. Sahore S.J.	Solar Radiation Management	Review	PO2,PO10,PO11
48	Mr.Sonawane V.A.	Environmental Current Issue	Review	PO2,PO10,PO11
49	Miss. Sule S.M.	Thermal Pollution	Review	PO2,PO10,PO11
50	Mr.Yadav A.R.	Good Ideas For Control	Review	PO2,PO10,PO11

		Environment Pollution		
51	Miss. Kadam T.B.	Environmental Life Cycle	Review	PO2,PO10,PO11
52	Miss. Khedkar S.S.	Environmental Friends	Review	PO2,PO10,PO11
53	Mr.Pande D.K.	Disposal Of Waste	Review	PO2,PO10,PO11
54	Shinde A.B.	Moist Pollution	Review	PO2,PO10,PO11
55	Miss. Gore N.R.	Solar Energy	Review	PO2,PO10,PO11
56	Mr.Gholap A.N.	Urban Problems Related To Energy	Review	PO2,PO10,PO11
57	Miss. Dere S.V.	Reforestation	Review	PO2,PO10,PO11
58	Mr.Shingave N.A.	Ozone Layer Depletion And Its Prevation	Review	PO2,PO10,PO11
59	Miss. Borude S.D.	Nuclear Hazards	Review	PO2,PO10,PO11
60	Miss. Wanjari S.A.	International Standards And Other Publication	Review	PO2,PO10,PO11
61	Mr.Murkute V.S.	Effect On Insecticide And Pesticide On Human Being	Review	PO2,PO10,PO11
62	Mr.Rajale S.V.	Nuclear Hazards	Review	PO2,PO10,PO11
63	Miss. Wandhekar T.V.	Food Resources	Review	PO2,PO10,PO11
64	Miss. Shinde T.B.	Forest Resources	Review	PO2,PO10,PO11
65	Mr.Zende R.D.	Aquatic Ecosystem	Review	PO2,PO10,PO11
66	Miss. Gadakh M.R.	Natural Calamities	Review	PO2,PO10,PO11
67	Chaware A.S.	Recycling	Review	PO2,PO10,PO11
68	Miss. Gadekar P.S.	Fossil Fuel	Review	PO2,PO10,PO11
69	Miss. Netane S.S.	Ozone Depletion	Review	PO2,PO10,PO11
70	Miss. Phopase B.K.	Water Pollution	Review	PO2,PO10,PO11
71	Mr.Gugale A.A.	Environment And Human Health	Review	PO2,PO10,PO11
72	Mr.Dangat A.R.	Disaster Management	Review	PO2,PO10,PO11
Academic Year 2018-19				
1	Mr.Arsule K. B.	Soil Quality	Review	PO2,PO10,PO11
2	Miss. Bare M.V.	Marine Pollution	Review	PO2,PO10,PO11
3	Miss. Bhalke M. V.	Land Resource	Review	PO2,PO10,PO11
4	Miss. Bhapkar P. V.	Rain Water Harvesting	Review	PO2,PO10,PO11
5	Mr.Bhusari P. P.	Nuclear Hazards	Review	PO2,PO10,PO11
6	Miss. Bodakhe A. V.	Air Resources	Review	PO2,PO10,PO11
7	Miss. Borude R.S.	Energy Conservation	Review	PO2,PO10,PO11
8	Miss. Chobhe N. D.	Water Pollution	Review	PO2,PO10,PO11
9	Miss. Dahatonde P.S.	Environmental Current Issue	Review	PO2,PO10,PO11
10	Miss. Devare G. U.	Disaster Management	Review	PO2,PO10,PO11
11	Mr.Dhaktode C. B.	Sun Protection	Review	PO2,PO10,PO11
12	Miss. Gadakh P.S.	Natural Calamities	Review	PO2,PO10,PO11
13	Mr.Gange A.S.	Paryavaran Mitra	Review	PO2,PO10,PO11

14	Mr.Gandhal A. R.	Ozone Depletion	Review	PO2,PO10,PO11
15	Miss. Gandhare V. B.	Diabetes	Review	PO1,PO2, PO10,PO11
16	Mr.Gavhane S. R.	Fossil Fuel	Review	PO2,PO10,PO11
17	MrGawhane V. N.	Industrial Pollution	Review	PO2,PO10,PO11
18	Miss.Jadhav B. S.	Water Pollution	Review	PO2,PO10,PO11
19	Miss. Kale M. R.	Water Resources	Review	PO2,PO10,PO11
20	Miss. Kandekar V.N.	Environmental Pollution	Review	PO2,PO10,PO11
21	Miss. Kate A. D.	Mineral Resources	Review	PO2,PO10,PO11
22	Miss. Kate P. A.	Agricultural Pollution	Review	PO2,PO10,PO11
23	Miss. Kharmale R.B.	Noise Pollution	Review	PO2,PO10,PO11
24	Mr.Khule A. U.	Earth Quake	Review	PO2,PO10,PO11
25	Miss. Kouse S. K.	Food Resources	Review	PO2,PO10,PO11
26	Miss. Mote P. R.	Forest Resources	Review	PO2,PO10,PO11
27	Mr.Munde R.R.	Wild Life Protection Act	Review	PO2,PO10,PO11
28	Miss. Munde S. M.	Water Resources	Review	PO2,PO10,PO11
29	Miss. Mungase S. S.	International Standardization for Organization	Review	PO2,PO10,PO11
30	Mr. Naikwadi T.A.	Waste Management	Review	PO2,PO10,PO11
31	Mr.Nangare R. R.	Recycling	Review	PO2,PO10,PO11
32	Miss. Nimase P. A.	Effect of Industrialization Ecology	Review	PO2,PO10,PO11
33	Mr.Parbhane K. M.	Reforestration	Review	PO2,PO10,PO11
34	Mr.Patel J. A.	Dispersal of Waste	Review	PO2,PO10,PO11
35	Miss. Patare S. R.	Hospital Waste	Review	PO2,PO10,PO11
36	Miss. Pund D. B.	Herbal Problem Related to Energy	Review	PO2,PO10,PO11
37	Miss. Pund P. B.	Environment and Human Health	Review	PO2,PO10,PO11
38	Mr.Rajdev S. B.	Wild Life	Review	PO2,PO10,PO11
39	Mr.Sayyed S. S.	Thermal Pollution	Review	PO2,PO10,PO11
40	Miss. Shaikh S. B.	Effect of Insecticides and Pesticides on Human Being	Review	PO2,PO10,PO11
41	Mr.Shejul V. S.	Sugar Industry Solution	Review	PO2,PO10,PO11
42	Miss. Shinde N. R.	Dam	Review	PO2,PO10,PO11
43	Miss. Solat S. A.	Environment and Human Health	Review	PO2,PO10,PO11
44	Miss. Sonawane B. R.	Ebola Virus	Review	PO2,PO10,PO11
45	Miss. Surale S. S.	Environmental Management System(EMS)	Review	PO2,PO10,PO11
46	Miss. Thete D. S.	Pollution Control	Review	PO2,PO10,PO11
47	Miss. Thube P. B.	Bio Diversity	Review	PO2,PO10,PO11
48	Mr.Unde O. V.	Medicinal Plant	Review	PO1,PO2, PO10,PO11
49	Miss. Virkar R. V.	Earth Quake	Review	PO2,PO10,PO11

50	Miss. Wandhekar V.C.	Environmental Management System (EMS)	Review	PO2,PO10,PO11
51	Miss. Waykar P.S.	Global Warming	Review	PO2,PO10,PO11
52	Mr.Waykar S.S.	Sugar Factory Pollution	Review	PO2,PO10,PO11
53	Miss. Wabale K. D.	Human Rights	Review	PO2,PO10,PO11
54	Mr.Kote A. G.	Moist Pollution	Review	PO2,PO10,PO11
55	Mr.R.Nandurkar S.D.	Acid Rain	Review	PO2,PO10,PO11
56	Mr .Nikam D. G.	Industrial Pollution	Review	PO2,PO10,PO11
57	Miss. Patare J. R.	Aquatic Ecosystem	Review	PO2,PO10,PO11
58	Mr.Rankhamb S.D.	Ecosystems	Review	PO2,PO10,PO11
59	Mr.Tupe K.C.	Solar Radiation Management	Review	PO2,PO10,PO11
60	Miss. Tupe V. B.	Ecology and Ecosystems	Review	PO2,PO10,PO11

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

Self-assessment Marks: 20

(Give details of the industry involvement in the program such as industry-attached laboratories, partial delivery of appropriate courses by industry experts etc. Mention the initiatives, implementation details and impact analysis)

Initiatives and Implementation:

- The institute has signed Memorandum of Understanding (MoU) with pharmaceutical industries, hospitals and academic institutions in order to provide exposure to the students from these organizations (Table2.2.4.1)
- The aim of such collaborations is to provide industrial training, visits and guidance to students for industrial projects with onsite exposure to recent technologies, equipment as well as various processes implemented at industrial levels (Table 2.2.4.2).
- Resource personsfrom collaborating institutes are invited to share their knowledge about the present scenario and practices in industry/Hospitals (Table 2.2.4.3).
- Such lectures provide awareness about latest developments and help in building confidence in students
- Interaction with industrial experts87lso increases the chanceof job opportunities for students (Table 2.2.4.4).
- To introduce multidisciplinary knowledge, the college has established MoU with Mahatma Phule Krishi Vidyhyapeeth (MPKV) Rahuri, Shanaishwar Gramin Rugnlaya, Shinganapur, Yashwantrao Chavan Dental College and Hospital, Ahmednagar and MES's Arts Commerce and Science College, Sonai.
- As a part of social awareness, college has collaborated with Yashwant Samajik Pratisthan, Sonai which conducts various activities throughout the year. The activities viz. Eye Donation campaign, Simple marriage, adoption of village, tree plantation, Swach Bhart Abhiyan,

promotion of reading habit through village library ,Blood donation and felicitation of renowned personalities from the field of science, literature and social work by honuoring with Krutandnyata Puraskar.

Table no. 2.2.4.1: Initiatives related to Industry/ Hospital/ Academic

Sr.No.	Initiatives	Academic Year/No. of activities				
		2020-21	2019-20	2018-19	2017-18	2016-17
1	Industrial Visits	-	1	1	1	1
2	Guest lectures by industry experts	3	9	2	2	3
3	Hospital visit	-	1	1	1	1
4	Sugar factory visit	-	1	1	1	1
5	Field visit	-	1	-	1	-

Implementation:

Table no. 2.2.4.2: MoU with Industry/ Hospital/ Academic

Sr. No.	Industry/Company	Sector	Validity
Industry			
1	Adora Pharmaceuticals Ltd.	Pharmacy	24/08/2026
2	Pharmanza Herbal Pvt. Ltd, Anand, Gujrat (PHPL)	Herbal	16/08/2024
3	Swalife Biotech Ltd. Ireland	Pharmacy	14/12/2021
4	Chemsea Pharmaceutical Pvt. Ltd, Pune	Pharmacy	13/10/2024
Hospital			
4	MoU with Shanaishwar Gramin Rugnlaya, Shinganapur	Hospital	30/05/2022
5	Late Shri.Yashwantrao Chavan Memorial Medical & Rural Development Foundation's Dental College & Hospital, Ahmednagar	Hospital	16/06/2024
6	Ashtvinayak Blood Bank, Ahmednagar	Hospital	16/06/2025
Academic			
7	MES Arts, Commerce and Science College Sonai.	Life Sciences	16/06/2022
8	Dr. D. Y. Patil Institute of Pharmaceutical Sci. & Research	Pharmacy	16/06/2022
9	Yashwant Samajik Pratisthan, Sonai	Social	30/05/2022
10	Mhatma Phule Krishi Vidyhyapeeth Rahuri.	Agriculture	11/09/2023

Table 2.2.4.3: List of companies/ industries / Universities visited

Sr.no	Academic Year	Name of industry	Date	No. of students benefited
1	2019-20	Central Instrumentation facility at SPPU,Pune	20/09/2019	70 students and 3 Faculty members
2	2019-20	Fermentation plant at Mula Sugar Factory ,Sonai	31/01/2020	73 students and 2 Faculty members
3	2019-20	Dhanawatari Medicinal garden & Volatile extraction unit at Mahatma Phule Krishi Vidyapeeth, Rahuri	14/02/2020	51 students and 2 Faculty members
4	2018-19	Adora Products Pvt.Ltd,Aurangabad	16/03/2019	63 students and 4 Faculty members.
5	2017-18	Fermentation plant at Mula Sugar Factory ,Sonai	02/03/2018	65 students and 5 Faculty members
6	2017-18	Dhanawatari Medicinal garden & Volatile extraction unit at Mahatma Phule Krishi Vidyapeeth, Rahuri	26/03/2018	65 students and 2 Faculty members
7	2017-18	Adora Products Pvt.Ltd, Aurangabad.	26/03/ 2018	50 students and 3 Faculty members.
8	2016-17	Fermentation plant at Mula Sugar Factory ,Sonai	10/03/2017	66 students and 3 Faculty members
9	2016-17	Lupin Pharma.Ltd,Aurangabad	11/03/ 2017	54 students and 3 faculty members.

Table 2.2.4.4.: Many experts from various pharmaceutical industries are regularly invited to share their experience/ research activities.

Academic Year	Name of speaker	Designation and Name of Industry	Topic of Presentation
2017-18	Mr. Sagar Saste	Sr. Scientist, Encube ethical, Mumbai	Application of statics in pharmacy research
	Mr. Rajesh Thorawe	Sr. scientist Perrfo lab India Pvt. Ltd, Thane.	Current trends in formulation development
	Dr. Adinath Shirsath	Research scientist, F&D Sunpharma Ltd, Vadodara	Parenteral drug development and detail inside

2018-19	Mrs. Aboli Girme	Manager, Pharmanza Herbal pvt. Ltd. Gujrat	Herbal Drugs and Phytopharmaceuticals-method development current prospective
2019-20	Mr. Anil Funde	Sr. Manager. Gennova Biopharmaceutical Pvt. Ltd. Pune.	Stability studies
	Mr. Amol Bhos	Manager Alkem Ltd. Mumbai	Drug Regulatory Affairs
	Mr. Mangesh Chitriveker	Manager Cipla, Mumbai	Current challenges in Regulatory Dept.
	Mr. Rajendra Pagadal	Indoco Remedies., Mumbai	cGMP Guidelines of USFDA
	Mr. Umakant Banait	Dy. Manager. Q.A. Mylan Lab, Ltd.	USFDA Guidelines
	Dr. Sunil Pande	Dy. Manager. F & D Bharat Serum Pvt. Ltd	Liposome's
	Mr. Pravin Deotarse	Clinical Project Manager Cipla Ltd Mumbai	Good Clinical Practice in Clinical Research
	Mr. Rohit Badhe	Manager-Production Wockhardt Ltd, Aurangabad	Pharma Manufacturing Process (OSD)
	Mr. Mahendra Gunjal	Manager-Global IP, Zydus GroupAhmedabad, Gujrat.	Intellectual Property Right (IPR)
	Mr. Anil Bhojvani	Manager Medical Writing and Medical Information Kinapse Ltd, Gurgaon	Overviews on Clinical Research and Job opportunities
2020-21	Mrs. RajeshriKekan	QA Manager Shefa Healthcare Pvt. Ltd. Mumbai	Career opportunity in QA and How to face an Interview
	Mrs. PreetiKasar	Patent Association NOVO IP, Pune.	Career opportunity in Regulatory affairs.
	Mr. Bhalchandra Habade	Director, HRW Organics Pvt. LtdNashik	Business Opportunity in Pharmaceutical Sector

Impact analysis:

- Students have expressed their happiness and satisfaction for all the events.
- Guest lecturers supported them for improving the knowledge base and motivation for higher studies. These help students to realize the importance of practical, higher studies and valuation. Industrial visits develop the ability in students to correlate theory sessions with practical.

- Output of such activities improved placement, introduction to industrial culture, Health and social awareness.
- Hospital involvement improved multidisciplinary knowledge of students with respect to role of pharmacist in Dental medicines, visits to general hospital creates awareness about OTC products, safety of medicines, contraindicated medicines and medical prescription , routine medical check up and importance of medical counselor.

2.2.5 Initiatives related to Skill Development programs/ Industry internship / summer training (10)

Self-assessment Marks:10

(Mention the initiatives, implementation details and impact analysis)

Initiatives:

- Institute's training and placement cell facilitates arrangement for four week industry internship to B. Pharm. IV year students (2015 pattern).Various skill development programs viz., Earn and Learn Scheme, Nirbhaya Kanya Abhiyan, Competitive Exam Guidance, lectures from industry experts, &Alumni /Entrepreneur and various certificate courses offering skills required in Pharmaceutical industries are arranged throughout the academic year (Tables 2.2.5.1,2.2.5.2& 8.3.1, 8.6.1**)**.
- Training and Placement cell provides the official appeal letters to students which is to be submitted in the industry or whole sale agency for permission purpose. After successful completion students submit the training certificate to T & P Cell.
- The institute organizes various Personality Development, Career success, and Stress Management programs (Table2.2.5.3).
- The college celebrates International Yoga day on 21st Juneand organizes Pranayama sessions every year.

Implementation:

Details of implementation of internship and skill development programs are shown in below mentioned tables.

Table 2.2.5.1: Board of students Development, SPPU, Pune

Sr. No.	Contents	PO attended
2017-18		
1	Earn and Learn Scheme	PO2, PO3, PO5,PO8,PO10, PO 11
2	Special Guidance Scheme	PO1, PO6, PO7, PO9
3	Nirbhaya Kanya Abhiyan (Yoga, Judo, Karate, Mahila Sablikaran)	PO2, PO3, PO5, PO8,PO11
2018-19		

1	Earn and Learn Scheme	PO2, PO3, PO5, PO8, PO10, PO11
2	Competitive Exam Guidance	PO1, PO2, PO3,PO4, PO5, PO6, PO7, PO8,PO9, PO10, PO11
2019-20		
1	Earn and Learn Scheme	PO2, PO3, PO5, PO8,PO10, PO 11
2	Nirbhaya Kanya Abhiyan (Yoga, Judo, Karate, Mahila Sablikaran)	PO2, PO3, PO5, PO8,PO11

- Each department conducts at least one certificate course every year. Through such programs,training is provided to students on theoretical concepts andhanding of equipment.
- Field visitsare organized toDhanwantari garden of MPKV, Rahuri for identification of various medicinal plant species and Mula sugar factor (Mula Sahkari Sakhar Kharkhana) Sonai for demonstration of fermentation process at distillery and cogeneration process as a part MoU with these organizations (Table 2.2.5.2)

Table 2.2.5.2: Certificate Course organized at institute

Sr. No	Academic Year	Title/Name Of Course	Conducted by Department	Date	No. of Students benefited
1	2016-17	Handling of IPQC Apparatus	Pharmaceutics	14/06/2016 to 18/06/2016	51
2	2017-18	Handling of IPQC Apparatus	Pharmaceutics	06/06/2017 to 10/06/2017	50
3	2019-20	Handling of IPQC Apparatus	Pharmaceutics	11/09/2019 to 13/09/2019	55
4	2016-17	Five days certificate course in Handling of Analytical Equipment	Pharmaceutical Chemistry	09/11/2016 to 13/11/2016	55
5	2017-18	Four days certificate course in Handling of Analytical Equipment	Pharmaceutical Chemistry	12/12/2017 to 15/12/2017	52
6	2018-19	Two days certificate course in Handling of Analytical Equipment	Pharmaceutical Chemistry	13/12/2018 to 14/12/2018	53
7	2019-20	Three days certificate course in Handling of Analytical Equipment	Pharmaceutical Chemistry	05/08/2019 to 07/08/2019	48
8	2019-20	Workshop on Handling of sophisticated Analytical Instruments	Pharmaceutical Chemistry	24/02/2020 to 25/02/2020	25
9	2016-17	Care and handling of laboratory animals &	Pharmacology	22/10/2016 to 27/10/ 2016	41

		experimental techniques			
10	2017-18	Care and handling of laboratory animals & experimental techniques	Pharmacology	17/10/2017 to 22/10/2017	38
11	2017-18	Cultivation, Collection and Processing of Herbal Drugs	Pharmacognosy	26/03/2018 to 31/03/2018	65
12	2019-20	Cultivation, Collection and Processing of Herbal Drugs	Pharmacognosy	14/02/2020	52

Table2.2.5.3: List of guest lectures on personality and soft skill development

Sr No.	Name of Resource Person	Topic	Date	Impact
1	Mr. Tarachand Jaisighpure Subtle and beyond organization, Ahmednagar	Your abilities are unique-honor them(exclusively for girls)	08/01/2018	65
2	Dr. Jagannathrao, Parapsychologist Bangalore	Personality Development & Career success	20/08/2018 21/08/2018	120
3	Dr. Girish Kukreja Arts, Commerce and Science College, Ahmednagar	Personality Development &Stress Management	23/01/2020	58
4	Mr. Manoj Jograna SU College of Pharmacy, Kharadi	Webinar on Stress Management	08/05/2020	97

Table2.2.5.4: List of Industrial Training Students

Sr. No	Name Of student	Industry/Wholesaler/Hospital name with address
	Academic Year 2020-21	
1	Miss.Adawale S.S.	Raghunath Medico,Ambajogai.
2	Mr.Arsule K.B.	Bora Pharma Pvt.Ltd,Ahmednagar.
3	Miss.Bare M.V.	Saish Pharma,Sonai.
4	Mr.Bourde R.S.	Saish Pharma,Sonai.
5	Miss.Chobe N.D.	Vishal Agencies,Ahmednagar.
6	Miss.Dahatonde P.	Murli Krishna Pharma Pvt.Ltd,Ranjangaon.
7	Mr.Devere G.U.	Saish Pharma,Sonai.
8	Mr.Gavhane S.R.	Veko Care Pvt.Ltd,Ranjangaon.
9	Miss.Gadakh P.S.	Murli Krishna Pharma Pvt.Ltd,Ranjangaon.
10	Miss.Gandhare V.B.	Saish Pharma,Sonai.
11	Mr.Gawhane V.N.	Kwality Agencies,Aurangabad.
12	Mr.Gandhal A.R.	Bora Pharma Pvt.Ltd,Ahmednagar.
13	Mr.Gange A.S.	Saish Pharma,Sonai.
14	Miss.Kharmale R.B.	Sagar Agencies,Ahmednagar.

15	Miss.Kandekar V.N.	Sagar Agencies,Ahmednagar.
16	Miss.Kate A.D.	Saish Pharma,Sonai.
17	Miss.Kate P.A.	Sagar Agencies,Ahmednagar.
18	Miss.Kale M.R.	Saish Pharma,Sonai..
19	Mr.Kote A.G.	Matoshree Enterprises Agencies,Beed.
20	Miss.Mote P.R.	Murli Krishna Pharma Pvt.Ltd,Ranjangaon.
21	Miss.Munde S.M.	Kothari Sales Corporation,Solapur.
22	Miss.Mungse S.S.	Sai Sanjivani Distributors,Shevgaon.
23	Mr.Munde R.R.	Matoshree Enterprises Agencies,Beed.
24	Mr.Nandurkar S.D.	Saish Pharma,Sonai.
25	Miss.Pund N.S.	National Medical&General stores,Shrirampur.
26	Miss.Parbhane K,M.	M/S.Supekar Agencies,Ahmednagar.
27	Miss.Pund D.B.	Saish Pharma,Sonai.
28	Miss.Pathare S.R.	Saish Pharma,Sonai.
29	Miss.Patel J.A.	Saish Pharma,Sonai.
30	Miss.Patare J.R.	Saish Pharma,Sonai.
31	Miss.Sonawane B.R.	Saish Pharma,Sonai.
32	Mr.Shejul V.S.	Veko Care Pvt.Ltd,Ranjangaon.
33	Miss.Surale S.S.	Saish Pharma,Sonai.
34	Miss.Shaikh S.B.	Saish Pharma,Sonai.
35	Miss.Shinde N.R.	Matoshree Enterprises Agencies,Beed.
36	Miss.Thube P.B.	M/S.Sanjeevani Agencies,Ahmednagar.
37	Miss.Thete D.S.	AMBIKA DISTRIBUTORS,Nimgaonjali.
38	Miss.Tupe V.B.	M/S.Sanjeevani Agencies,Ahmednagar.
39	Miss.Wabale K.D.	Shri.Shanaishwar Gramin Rugnalaya,Sonai.
Academic Year 2019-20		
1	Miss.Bangera K.B.	Gelnova Laboratries India Pvt.Ltd.Navi Mumbai.
2	Miss.Bade P.A.	Royal Super Speciality Drugs,Ahmednagar.
3	Miss.Chavare A.S.	Akshar Pharmaceutical Distributors,Aurangabad.
4	Miss.Dere S.V.	NEUROCARE Pharmaceuticals,Aurangabad.
5	Mr.Dhorajkar S.A.	Kadus Distributors,Ahmednagar.
6	Miss.Gadekar P.S.	Akshar Pharmaceutical Distributors,Aurangabad.
7	Miss.Gadakh M.R.	NEUROCARE Pharmaceuticals,Aurangabad.
7	Mr.Gugale S.S.	Bora Pharma Pvt.Ltd.Ahmednagar.
8	Miss.Gore N.R.	Badhe Pharma Agency,Shrirampur,Ahmednagar.
9	Mr.Ghawate V.D.	Kadus Distributors,Ahmednagar.
10	Miss.Ghawate M.G.	Shri Shanaishwar Gramin Rugnalaya,Ahani Shingnapur.
11	Miss.Hon B.P.	Sai Adhar Medical and Agency, Koparagaon,Ahmednagar
12	Miss.Joshi A.R.	Akshar Pharmaceutical Distributors,Aurangabad.
13	Mr.Jagirwar A.M.	Vijay Medicos and Pharmaceutical Distributors,Mirajgaon.
14	Miss.Kad A.S.	Sarvadnya Pharma,Pune.
15	Miss.Khandare A.B.	Ekson Lifeline Pvt.Ltd,Nanded.
16	Miss.Kadam T.B.	Badhe Pharma Agency,Shrirampur,Ahmednagar.
17	Miss.Kadam R.A.	Yogesh Enterprises,Pathardi,Ahmednagar.

18	Miss.Mhaske R.R.	Yogesh Enterprises,Pathardi,Ahmednagar.
19	Mr.Murkute V.S.	Bhora Pharma Pvt.Ltd.Ahmednagar.
20	Miss.Netane S.S.	Kailash Enterprises,Ahmednagar.
21	Miss.Phopase B.K.	Kailash Enterprises,Ahmednagar.
22	Mr.Shingade N.A.	M/S.deepaliAgency,P'ceutical Distrinutors,Ahmednagar.
23	Mr.Sonawane V.A.	Primary Health Centre,Bardapur,Beed.
24	Miss.Sahare S.J.	J.Duncan Healthcare Pvt.Ltd,Atgaon,Thane.
25	Mr.Wandhekar T.V.	Bhora Pharma Pvt.Ltd.Ahmednagar.
26	Miss.Wanjari S.A.	Sudhir Agencies,Wardha.
Academic Year 2018-19		
1	Mr.Amate P.K.	Care Plus Medico,Moshi,Pune.
2	Mr.Bhanuse A.B.	Morya Agency,Supa,Ahmednagar.
3	Miss.Bedke G.J.	Badhe Pharma Agency,Shrirampur,Ahmednagar.
4	Miss.Bawake A.B.	Chame Pharma Distributors, Shrirampur,Ahmednagar.
5	Mr.Bhanuse A.K.	Tulsi Agency,Sonai,Ahmednagar.
6	Miss.Chandak S.S.	Neets Pharma Pvt.Ltd,Paithan MIDC,Aurangabad.
7	Miss.Dole M.D.	Neets Pharma Pvt.Ltd,Paithan MIDC,Aurangabad
8	Miss.Dhumal B.B.	Morya Agency,Supa,Ahmednagar.
9	Miss.Gulave K.R.	Mamta Agencies, Shrirampur,Ahmednagar.
10	Mr.Harale A.B.	Krishna Enterprises, Shrirampur,Ahmednagar
11	Mr.Harishchandre R.S.	M/S.Rudra Medical & Agency,Rahuri,Ahmednagar.
12	Miss.Jadhav K.P.	Bora Pharma Pvt.Ltd.Ahmednagar.
13	Mr.Jangle S.K.	Care Plus Medico,Moshi,Pune.
14	Mr.Jadhav S.S.	M/S.Rudra Medical & Agency,Rahuri,Ahmednagar.
15	Mr.Kadu O.D.	M/S.Rudra Medical & Agency,Rahuri,Ahmednagar.
16	Miss.Khalekar S.B.	Neets Pharma Pvt.Ltd,Paithan MIDC,Aurangabad
17	Mr.Kale D.B.	Morya Agency,Supa,Ahmednagar.
18	Mr.Khandagale A.S.	Shreeyash Agencies,Rahuri,Ahmednagar.
19	Mr.Kekare G.S.	Care Plus Medico,Moshi,Pune.
20	Miss.Lokhande V.M.	Mauli Surgicals,Sonai,Ahmednagar.
21	Mr.Mane P.A.	Care Plus Medico,Moshi,Pune.
22	Mr.Mate M.N.	M/S.Rudramedical& Agency,Rahuri,Ahmednagar.
23	Mr.Ohal D.K.	Saish Pharma,Sonai,Ahmednagar.
24	Miss.Pawal S.K.	Krishna Enterprises, Shrirampur,Ahmednagar
25	Miss.Phopase A.S.	Bhora Pharma Pvt.Ltd.Ahmednagar.
26	Mr.Pawar A.B.	Vijay Medico&Pharma Distributors,Mirajgaon,Ahmednagar.
27	Mr.Rahane G.R.	M/S.Rudra Medical & Agency,Rahuri,Ahmednagar.
28	Miss.Shelke S.K.	Guru Ganesh Pharma Distributors,Pune.
29	Miss.Salve R.S.	Neets Pharma Pvt.Ltd,Paithan MIDC,Aurangabad.
30	Mr.Shembde K.K.	Morya Agency,Supa,Ahmednagar.
31	Miss.Shinde N.A.	Sancheti Agencies,Ahmednagar.
32	Miss.Shirsath K.S.	Mauli Surgicals,Sonai,Ahmednagar.
33	Mr.Todmal R.D.	Tulsi Agency,Sonai,Ahmednagar.

34	Miss.Temak P.R.	2d Medical & Distributors, Shirur, Pune.
35	Miss.Tandale S.S.	Maulisurgicals,Sonai, Ahmednagar.
36	Mr.Tambe S.S.	Sanjay Agencies, Ahmednagar.
37	Mr.Waybhase S.B.	Saish Pharma, Sonai, Ahmednagar.
38	Miss.Wable K.A.	GuruGaneshparma Distributors,Pune.

Impact Analysis:

1. As the in planttraining period is of one monthduration, it has provided the students with practical knowledge,clear understanding of processes and glimpses of how the industry works.It has also helped in bridging industry academia gap and improved placement.
2. Certificate courses enabled the students to develop skills and confidence in handling of experimental animals and various sophisticated instruments.
3. Field trips have provided valuable learning experiences to students and helped them in broadeningtheir understandings, increase empathy and critical thinking skills. This has resulted in enhancing ability of students to correlate theoretical concepts with real life Pharmaceutical processes.
4. Organization of lecturers on topics like unique abilities, career success, stress management and personality development has resulted in developing self-confidence, understanding career objective, cope up with stress management and developing overall personality of students.
5. All these activities have contributed to attainment of POs.

2.2.6 Continuous Evaluation Process (10) Self-assessment Marks:10

(Mention the process followed and its effectiveness)

The institute follows evaluation process given by Savitribai Phule Pune University, Pune. The continuous evaluation process is based on day to day practical conducted by institution, internal assessments and semester end examinations.

- The undergraduate program of the institute is based on continuous evaluation and choice based credit system where students are continuously monitored for their progress in studies.
- The teachers are actively involved in evaluating students continuously and this process is carried out throughout the course.
- The process of continuous evaluation includes short quizzes, assignments, seminars, open book tests and Sessional examinations in theory and overall performance, attendance,viva-voce, student teacher interaction and Sessional examinations in practical.
- Teacher gives assignment to the students for improving their subject knowledge and to inculcate the habit of referencing the books and scientific journals. The assignments reevaluated regularly and discussed with the students for rectification of their errors and mistakes.

- The Sessional examinations are conducted every semester and answer books are assessed and handed over to the students for verifying their marks. Grievances, if any are addressed and resolved. Thereafter Sessional examination marks are documented.
- After the end of University examination, evaluation of each subject is carried out at CAP centers allotted by the University at the end of each semester. Score of each course is evaluated following percentage system and CGPA/SGPA.
- The faculties are engaged in conducting tutorial classes and provide counseling for slow learners so that they can improve their performance. Advanced learners are motivated to improve their performance above the target to attain the POs.

The internal continuous evaluation process is carried out as per following scheme:

- **2013 Pattern syllabus (Non-CBCS based pattern) :**

For 2013 to 2017 and 2014 to 2018 graduating batches institute follows the2013 pattern for continuous evaluation process as prescribed by the University which is as follows.

- A Sessional examination of 30 marks is conducted in each semester, after completion of syllabus for theory and practical.
- A provision for appearing in 'Improvement Sessional Examination' is available to students, who score less than 40% marks or absent in the regular Sessional examination subjected to approval by Institutional Examination Committee.

Distribution of marks for theory Sessional examination and Practical Sessional examination of 30 marks is based on internal assessment of practical, attendance, viva-voce and laboratory record.

Scheme for Theory & Practical Sessional Examination

B. Pharmacy Program	Theory	Practical
2013 pattern	Q.1. 2marks X 5 questions (out of seven) Q.2. 5marks X 2 questions (out of three) Q.3. 10marks X 1 questions (out of two) Total Marks = 30	Performance = 15 Synopsis & Viva voce =06 Lab Record and Attendance=09 Total Marks = 30

Scheme for University Theory Examination Question paper

Sr. No.	Head	Marks distribution
Section-I		
Q.1	Long answer questions (word limit 350 to 400 words)	10 marks (10 marks x 1 Q, out of 2 Qs.)
Q.2	Small answer questions – 3 marks (word limit 75 to 100 words)	15 marks (3 marks x 5 Qs, out of 7 Qs.)
Q.3	Short answer questions – 5 marks (word limit 125 to 150 words)	10 marks (5 mark x 2 Qs, out of 4 Qs.)
Section-II		
Q.1	Long answer questions (word limit 350 to 400 words)	10 marks (10 mark x 1 Q, out of 2 Qs.)
Q.2	Small answers questions – 3 marks (word limit 75 to 100 words)	15 marks (3 mark x 5 Qs, out of 7 Qs.)
Q.3	Short answers questions – 5 marks (word limit 125 to 150 words)	10 marks (5 mark x 2 Qs, out of 4 Qs.)
	Total Marks	70 Marks

Scheme for University Practical Examination question paper

Sr. No.	Head	Marks distribution
1	Synopsis	10
2	Major experiment	30
3	Minor experiment	20
4	Viva-voce	10
	Total Marks	70 Marks

- **2015 Pattern syllabus (CBCS based pattern) :**

The 2015 to 2019 graduating batch followed the 2015 pattern CBCS based continuous evaluation process. Internal assessment is of 40 marks which includes 20 marks for sessional examination and 20 marks for continuous assessment each for theory and practical.

Continuous assessment includes:

a) Written test and / or midterm test (not more than one or two for each course)
b) Term paper
c) Journal /Lecture/ Library notes
d) Seminar presentation
e) Short Quizzes
f) Assignments

g) Extension work
h) An open book test (with the concerned teacher deciding what books are to be allowed for this purpose)
i) Mini research projects by individual learner or group of learners.

Scheme for Theory & Practical Sessional Examination question paper

B. Pharmacy Program	Theory	Practical
2015 pattern	Q.1.2 marks X 3 questions (out of five) Q.2. 4 marks X 2 questions (out of three) Q.3. 6 marks X 1 questions (out of two) Q.4.Assignments (continuous assessment) Q.5. Written test (continuous assessment) Total Marks = 40 Marks	Experimental work=10 marks Synopsis & Viva voce =6 marks Lab Record =4 marks Written test (continuous assessment)=10 marks Day to day assessment (continuous assessment)=10 marks Total Marks=40 Marks

Scheme for University theory examination question paper

Sr. No.	Head	Marks distribution
Section-I		
Q.1	Long answer questions (word limit 350 to 400 words)	10 marks (10 marks x 1 Q, out of 2 Qs.)
Q.2	Small answer questions – 3 marks (word limit 75 to 100 words)	12 marks (3 marks x 4 Qs, out of 7 Qs.)
Q.3	Short answer questions – 5 marks (word limit 125 to 150 words)	8 marks (4 mark x 2 Qs, out of 4 Qs.)
Section-II		
Q.1	Long answer questions (word limit 350 to 400 words)	10 marks (10 marks x 1 Q, out of 2 Qs.)
Q.2	Small answer questions – 3 marks (word limit 75 to 100 words)	12 marks (3 mark x 4 Qs, out of 7 Qs.)
Q.3	Short answer questions – 5 marks (word limit 125 to 150 words)	8 marks (4 mark x 2 Qs, out of 4 Qs.)
	Total Marks	**60 Marks**

Scheme for University Practical Examination question paper

Sr. No.	Head	Marks distribution
1	Synopsis	10
2	Major experiment	25
3	Minor experiment	15
4	Viva-voce	10
	Total Marks	60 Marks

- **2018 /19 pattern**

For 2018/2019 pattern the percentage of marks for semester end examination and internal assessment is 75% and 25% for theory and the percentage of marks for practical semester end examination and internal assessment is 35% and 15% respectively.

Scheme for awarding internal assessment: Continuous mode

B. Pharmacy Program	Theory	Theory (Non university)	Practical
2018/2019 pattern	Q.1.Attendance = 4 marks Q.2. Academic activities = 3 marks Q.3. Student – Teacher interaction = 3 marks Total Marks= 10 Marks	Q.1.Attendance = 2 marks Q.2. Academic activities = 1.5 marks Q.3. Student – Teacher interaction = 1.5 marks Total Marks= 5 Marks	Q.1.Attendance = 2 marks Q.2. Based on Practical Records, Regular viva voce, etc.= 3 marks Total Marks= 05 Marks

Guidelines for the allotment of marks for attendance

Percentage of Attendance	Theory	Practical
95 –100	4	2.0
90-94	3	1.5
85-89	2	1.0
80-84	1	0.5
Less than 80	0	0.0

Question paper pattern for theory Sessional examinations

B. Pharmacy Program	Theory	Practical
2018 pattern	**For subjects having University examination** Q.1.Multiple Choice Questions (MCQs) (10x1) =10 marks OR Objective Type Questions (5x2)=10 marks Q.2. Long Answer Questions (10 marks X 1 Q.out of 2 Qs)= 10 marks Q.3. Short Answer Questions (05 marks X 2 Q out of 3 Qs)= 10 **Total Marks= 30 Marks** **For subjects having Non University Examination** Q.1. Long Answer Questions (10 marks X 1 Q out of 2 Qs)= 10 marks Q.2. Short AnswerQuestions (20 marks X 4 Qs out of 6 Qs.)= 20 **Total Marks= 30 Marks**	Synopsis =10 marks Experimental work=25 marks Viva Voce=05 marks Total Marks=40 Marks

Scheme for University theory examination

Sr. No.	Head	Marks distribution
	For 75 marks paper	
1	Multiple Choice Questions(MCQs) OR Objective Type Questions (10 x 2) (Answer all the questions)	20 x1 =20 or 10 x2 =20
2	Long Answer Questions (Answer 2 out of 3)	2 x 10 =20
3	Short Answer Questions (Answer 7 out of 9)	7 x 5 = 35
	Total Marks	75 Marks
	For 50 marks paper	
1	Long Answers Questions (Answer 2 out of 3)	2 x 10 =20
2	Short Answer Questions (Answer 6 out of 8)	6 x 5 = 30
	Total Marks	50 Marks
	For 35 marks paper	
1	Long Answer Questions(Answer 1 out of 2)	1 x 10 =10
2	Short Answer Questions(Answer 5 out of 7)	5 x 5 = 25
		35 marks

Scheme for University Practical Examination

Sr. No.	Head	Marks distribution
1	Synopsis	05
2	Experiment	25
3	Viva Voce	5
	Total Marks	35 Marks

The concerned subject teacher, in consultation with College Examination Committee, decides the nature of questions for the internal examination.

2.2.7. Quality of experiments (20) **Self-assessment Marks:20**

(Quality from the equipment set-up and performance perspective)

Savitribai Phule Pune University has specified the list of Practical in B.Pharmacy Syllabus. The institute takes utmost care in maintaining the quality of experiments. For his reason the management always insist on purchase of quality equipment. The institute has central instrumentation facility where high end equipment are placed and maintained under the supervision of faculty in charge.

Few experiments are identified as GAP and added to enhance the understanding of theoretical concepts and to improve the quality of experimental skills.

Quality of experiments is ensured by the following;

1. **Equipment set up and support system:**
   - Availability of equipment, sophisticated instruments and apparatus as prescribed by the Pharmacy Council of India.
   - Calibration of instruments
   - SOP's and Log book
   - CPCSEA approved animal house and X-cology software
   - Availability of quality chemicals and glassware
   - Availability of trained supportive staff
   - Facility of departmental library.
   - UPS and generator facility for uninterrupted power supply
   - AMC for sophisticated equipment
   - Qualified and experienced teaching faculty
   - Practical based projects to students

- Hands on training to other departmental faculty.
- Conduction of certificate courses

2. **Performance perspective:**
   - Safe handling of chemicals, instruments and safety precautions and measures while operating equipment are taught wherever applicable. Safe disposal of chemicals and guidelines are being followed. The students are trained to read the SOPs and make entry in the log book before using any instrument or equipment. Exposure is also provided to students on use of Fire Extinguisher.
   - Well experienced and trained faculty for handling practical work. The faculty always strive to upgrade their laboratory skills in order to train the students and improve their psychomotor skills with recent updated knowledge.
   - The practical batch size is of 20-24 students and this gives an opportunity to have better student–faculty interaction, thus moulding the student's cognitive, affective and psychomotor domain. Practical performance of each student is evaluated based on these domains.
   - As the college has a Central Instrumentation Facility where major equipment such as HPLC, FT-IR Spectrophotometer, UV spectrophotometer, Digital Polarimeter etc. are placed. Machine room is equipped with eight station tablet compression, Dissolution Test Apparatus, Coating machine, UV spectrophotometer and Brookfield Viscometer along with internet connection.
   - Students are provided with hands on training to handle the equipment and improve their skills. Some of these skills are proved to be very useful in understanding the principles and working of instruments learnt by the students in theory syllabus.
   - The practical curriculum of the B. Pharmacy program from Sem I to Sem VIII skills addressing various Bloom's levels depending on the respective course and year of study.
   - Simulation experiments for Pharmacology are conducted regularly using X-Pharm software. Animal experiments are conducted to expose students for further assimilation of theoretical concepts. CPCSEA guidelines are followed while conducting suitable demonstration experiments on animals.
   - Students are explained the importance of documentation and advised on how to present their records with appropriate result and discussion. At the end of practical students are explained with the concept of maintaining records in regular notebook and journals.

   All aforesaid factors have been contributing in improving the quality of experiments and performance of the students.

CRITERION 2

Program Curriculum and Teaching-Learning Processes

Self-Assessment Worksheet

Sr. No	Sub Criteria	Max. Marks/ Weightage	Self-assessment Marks	Marks Awarded
2.1.1	Delivery of Syllabus Contents and compliance of the curriculum for attainment of POs	10	10	
2.1.2	State the delivery details of the contents beyond the Syllabus for the attainment of POs	20	20	
2.1.3	Adherence to Academic Calendar (10)	10	10	
2.2.1	Initiatives in teaching and learning process	25	25	
2.2.2	Quality of internal semester question papers, assignments and evaluation	10	10	
2.2.3	Quality of Students projects	15	15	
2.2.4	Initiatives related to Industry and/or Hospital interaction	20	20	
2.2.5	Initiatives related to skill Development programs/industry internship/summer training	10	10	
2.2.6	Continuous Evaluation Process	10	10	
2.2.7	Quality of Experiments	20	20	
Total		150	150	

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

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

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

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

Course Name: C115 **Year of Study: 2017-18**

115T - Human Anatomy and Physiology-I

C115.1	Understand relevance and significance of human anatomy and physiology to pharmaceutical sciences, basic terminologies used in anatomy and physiology and regulation of homeostasis.
C115.2	Explain the progression of structural levels (cells, tissues, organs and systems) contributes to the body's order, there function, types and stability
C115.3	Explain the anatomy & physiology of skeletal & smooth muscle.
C115.4	Describe composition and functions of blood component & homeostasis and blood coagulation.
C115.5	Explain the anatomy, physiology & disorders of cardiovascular system, lymphatic system
C115.6	Understand the anatomy, physiology and disorder of digestive system. WHO definition of health and health promotion

CO115T is in the first semester, 115 is the subject code for Human Anatomy and Physiology and CO115.1 to CO115.6 are the outcomes of this course.

Course Name: C125 **Year of Study: 2017-18**

125T - Pharmacognosy

CO125.1	Know the relevance & significance of biology to pharmaceutical sciences.
C125.2	Describe principles of genetics & explain how these can be applied in crop improvement process, basic components of cell, their functions & fundamental processes of cell division.
C125.3	Outline tissues & tissue systems & apply that knowledge in understanding of anatomy of different parts of plant, modes of nutrition & how these influence in evolution of chemical defense in autotrophs, basic photosynthetic process and plant growth regulator.
C125.4	Explain approaches of classification along with their merits & demerits, significance of internationally accepted standards of nomenclature.
C125.5	Elaborate how ecosystem is composed, working & degrading. learner should also know remedies to get rid from ecosystem & environmental degradation in general & western ghats in particular.
C125.6	Describe meaning of term “pharmacognosy”, also its development, linkages to other branches of sciences & significance of study of natural products.

CO125T is in the first semester, 125 is the subject code for Pharmacognosy and CO125.1 to CO125.6 are the outcomes of this course.

Course Name: C235 **Year of Study: 2018-19**

235T- Pharmacology I

C235.1	To know the basics of pharmacology like history, scope & general principles.
C235.2	Know the process of drug discovery and development
C235.3	Understand pharmacokinetic and pharmacodynamics of drugs
C235.4	Understand receptor, drug receptor interaction, drug toxicity, drug interaction and adverse drug reactions.
C235.5	Know the rational drug treatment in pediatric and geriatric patients and in pregnancy
C235.6	To understand the synthesis, storage, release, physiological & pathophysiological actions of autocoids and pharmacology of their antagonists

CO235T is in the third semester, 235 is the subject code for Pharmacology I and CO235.1 to CO235.6 are the outcomes of this course.

Course Name: C241 **Year of Study: 2018-19**

241T- Physical Pharmaceutics-II

C241.1	Acquire sufficient knowledge, skill understanding the concepts, principles method of measurement of surface and interfacial tension. learner should understand and learn surfactant definition, classification and adsorption isotherm and application.
C241.2	To understand the different types of flow in order to identify and choose suitable flow characteristics for the formulation and illustrate fundamentals and pharmaceutical applications of rheology.
C241.3	To understand definition of reaction kinetics, reaction order and factor affecting rate of reaction also degradation and stabilization of medicinal agent and ass.
C241.4	To know physicochemical properties of drugs and assessment of physical stability, routes of degradation of drug and principle method of stabilization of drug also learn to determine shelf and half life.
C241.5	To understand and determine the properties of particles and pharmaceutical powders, their significance in formulating pharmaceutical products and characterizing such properties also learn to determine derived property and factor affecting flow of property.
C241.6	To understand the definition colloids and types, properties and applications of colloids in the formulations.

CO241T is in the fourth semester, 241 is the subject code for Physical Pharmaceutics-II and CO241.1 to CO241.6 are the outcomes of this course.

Course Name: C351 **Year of Study: 2019-20**

351T - Industrial Pharmacy I

C351.1	Understand the concepts of dosage form design & explain tablets as a dosage form, physico-chemical principles guiding tablet formulation & concept of granulation and specialized granulation techniques.
C351.2	Explain various tablet additives, manufacture & evaluation.
C351.3	Understand equipments, defects in tableting & remedies.
C351.4	Learn the concept, types, pharmacopoeial specifications, techniques, equipments used in tablet coating & understand the plant layout for manufacturing of tablets.
C351.5	Describe capsules, types, isolation of gelatin, hard gelatin capsules, additives, size selection, manufacturing & evaluation, equipments, & defects.
C351.6	Describe soft gelatin capsules, additives, size selection, manufacturing &evaluation, understand the plant layout for manufacturing of capsules.

CO351T is in the fifth semester, 351 is the subject code for Industrial Pharmacy I and CO351.1 to CO351.6 are the outcomes of this course.

Course Name: C363 **Year of Study: 2019-20**

363T- Medicinal Chemistry II

C363.1	Know general aspects of the design of the drug metabolism
C363.2	Explain classification, nomenclature, structure activity relationship (SAR), mechanism of action, therapeutic uses, adverse effects, synthesis and recent developments in categories drugs acting of CNS active agents local and general anesthetics
C363.3	Write classification, nomenclature, structure activity relationship (SAR), mechanism of action, therapeutic uses, adverse effects, synthesis and recent developments in categories drugs acting as CNS active drugs sedatives and hypnotics and anticonvulsants
C363.4	Explain classification, nomenclature, structure activity relationship (SAR), mechanism of action, therapeutic uses, adverse effects, synthesis and recent developments in categories drugs acting as psychotherapeutic agents
C363.5	Know classification, nomenclature, structure activity relationship (SAR), mechanism of action, therapeutic uses, adverse effects, synthesis and recent developments in categories drugs acting as neurodegenerative and anticoagulant agents
C363.6	Write the synthesis of medicinally important drugs

CO363T is in the sixth semester, 363 is the subject code for Medicinal Chemistry and CO363.1 to CO363.6 are the outcomes of this course.

Course Name: C471 **Year of Study: 2020-21**

471T – Sterile Products

C471.1	Know the general requirements, routes of administration, significance of tonicity adjustment and sterility and pre-formulation of sterile products
C471.2	Study various packaging materials used, types and choice of containers, official quality control tests and methods of evaluation, pre-filled syringes, BFS technique.
C471.3	Know the GMP and design and layout of parenteral production facility, environmental control zones, heating ventilation air conditioning (HVAC), HEPA filter and laminar area flow systems, batch VS continuous operation.
C471.4	Explain classification and formulation of SVP, types and selection of vehicles and added substance, processing, manufacturing and quality control of SVPS along with special types of svps and pilot plant scale up.
C471.5	Study large volume parenterals(LVPS),types, concept of formulation, influence of physiological factors, processing, manufacturing and quality control of LVPS, along with parenteral nutrition, intravenous admixture and peritoneal dialysis fluid and pilot plant scale up.
C471.6	Explain general requirements, formulation, types and evaluation of ophthalmic products. Know blood products, surgical products and lyophilization basics, injectable / parenteral devices.

CO471T is in the Seventh semester, 471 is the subject code for Sterile Products and CO471.1 to CO471.6 are the outcomes of this course.

Course Name: C485 **Year of Study: 2020-21**

485T- Pharmacology V (Including biostatistics)

C485.1	To understand important aspect, classification, mechanism of drug-drug interaction.
C485.2	To understand the adverse drug reactions with epidemiology, classification and risk factors.
C485.3	To understand the basic aspects of drug safety, safety pharmacology and Pharmacovigilance in relation to monitoring and reporting of ADRs
C485.4	Get in-depth knowledge about functioning and role of hospital pharmacy and practice of rational drug therapy, methods of assessment of patient compliance and non-compliance
C485.5	Able to understand clinical trials, ethics and practice of good clinical practice involved in clinical trials
C485.6	Understand the process, working and personnel involved in clinical data management, their roles and introduction to palliative and end of life care

CO485T is in the eighth semester, 485 is the subject code for Pharmacology V (Including biostatistics) and CO485.1 to CO485.6 are the outcomes of this course.

3.1.2. CO-PO matrices of courses selected in 3.1.1

(Four matrices to be mentioned; one per semester from 1st to 8th semester; at least one per year) (05)

Self- assessment Marks:05

Course : Human Anatomy and Physiology-I - [115T]											
CO	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**
C115.1	3	-	-	1	-	3	-	-	3	-	3
C115.2	3	-	1	2	-	2	1	-	2	-	3
C115.3	3	-	-	1	-	3	-	-	3	-	3
C115.4	3	1	-	1	-	3	-	-	3	-	3
C115.5	3	-	1	1	-	3	1	-	3	-	3
C115.6	3	-	-	-	-	3	2	-	3	1	3
Average	3	1	1	1.2	-	2.83	1	-	2..83	1	3

Course : Pharmacognosy T - [125T]											
CO	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**
C125.1	3	-	1	-	-	3	1	-	-	2	3
C125.2	3	1	2	1	1	3	1	1	1	2	3
C125.3	3	1	2	2	1	3	1	1	1	2	3
C125.4	3	1	1	1	1	3	1	1	1	2	3
C125.5	3	1	1	1	1	3	1	-	2	3	3
C125.6	3	1	1	-	1	3	-	-	1	2	3
Average	3	1	1.33	1.25	1	3	1	1	1.2	2.16	3

Course : Pharmacology-I - [235T]											
CO	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**
C235.1	3	2	-	2	-	2	1	-	2	1	2
C235.2	3	2	2	2	-	2	1	-	2	1	2
C235.3	3	2	3	2	-	2	3	-	2	1	3
C235.4	3	2	3	2	-	2	3	-	1	1	2
C235.5	3	2	3	2	-	3	3	-	2	1	2
C235.6	3	2	3	2	-	2	3	-	2	1	2
Average	3	2	2.8	2	-	2.16	2.33	-	1.83	1	2.16

Course : Physical Pharmaceutics-II T - [241T]											
CO	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**
C241.1	3	-	1	2	-	-	1	-	1	1	3
C241.2	3	2	2	3	-	-	1	-	1	1	3
C241.3	3	1	1	1	-	-	1	-	2	2	3
C241.4	3	1	3	2	-	-	1	-	1	1	2
C241.5	3	1	3	3	-	-	1	-	1	1	2
C241.6	3	-	-	2	-	-	1	-	1	1	2
Average	3	1.25	2	2.16	-	-	1	-	1.66	1.66	2.5

Course : Industrial Pharmacy-I T - [351T]											
CO	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**
C351.1	3	1	2	1	-	1	2	1	1	2	3
C351.2	3	1	2	2	-	1	2	1	1	2	3
C351.3	3	1	2	2	-	2	2	1	1	1	3
C351.4	3	1	2	2	-	2	2	1	1	2	3
C351.5	3	1	2	2	-	2	2	1	1	2	3
C351.6	3	1	2	2	-	2	2	1	1	2	3
Average	3	1	2	1.83	-	1.66	2	1	1	1.83	3

Course : Medicinal Chemistry II T - [363T]											
CO	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**
C363.1	3	-	1	3	-	2	1	1	1	-	3
C363.2	3	-	3	1	-	1	1	1	1	-	2
C363.3	3	-	3	2	-	1	1	1	1	-	3
C363.4	3	-	3	3	-	2	1	1	1	-	3
C363.5	3	-	3	2	-	2	1	1	1	-	3
C363.6	3	-	2	3	-	2	1	1	1	-	3
Average	3	-	2.5	2.33	-	1.66	1	1	1	-	3

Course : Sterile Products - [471]											
CO	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**
C471.1	3	2	2	3	-	3	3	1	2	2	3
C471.2	3	2	2	3	-	3	3	1	2	2	3
C471.3	3	2	2	3	-	3	3	1	2	2	3
C471.4	3	2	2	3	-	3	3	1	2	2	3
C471.5	3	2	2	3	-	3	3	1	2	2	3
C471.6	3	2	2	2	-	3	3	1	2	2	3
Average	3	2	2	2.83	-	3	3	1-	2	2	3

Course : Pharmacology V (Including biostatistics)T - [485T]											
CO	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**
C485.1	3	2	3	2	-	3	3	-	3	2	2
C485.2	3	1	2	2	-	3	3	-	3	1	2
C485.3	3	2	2	2	-	3	3	-	3	1	2
C485.4	3	2	2	2	-	3	3	2	3	1	2
C485.5	3	2	2	2	-	3	3	-	3	1	2
C485.6	3	2	2	2	-	3	3	-	3	1	2
Average	3	1.83	2.16	2	-	3	3	1	3	1.66	2

Note: Correlation levels 1, 2 or 3 as defined below:

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

It there is no correlation, put '-'

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

Self-assessment Marks: 10

Table 3.1.3.1.Course-PO matrix of courses for all four years of study of 2017- 21 graduating batch

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
111P	3	1.83	2	1.33	1	1	1	1	1	1	3
111T	3	1.67	2.17	2	1.83	1.67	2.33	1.67	1.83	1.4	3
112P	3	1.5	1.67	1.33	1	1.67	2	1.17	3	1	2.67
112T	3	1.67	1.5	1.33	1.17	1.83	2.33	1	2.17	2.17	3
113P	3	2.5	1.83	2.67	-	1.5	1.17	2.67	1.2	-	3
113T	3	2	2.5	2.67	-	1.4	1.5	2.5	1.4	1	3
114P	3	1	1	1	-	1	1	1	1	1	3
114T	3	1	1	1	-	1	2	-	2	1.6	3
115P	3	2.67	3	2	2	1.8	1.83	1.25	2	2	3
115T	3	1	1	1.2	-	2.83	1.33	-	2.83	1	3
116T	1	1.83	1	1.67	1.83	1.5	1.33	2.5	1	1.83	2.83
121T	3	1.25	1.2	2.83	1.25	2.33	2	1	1.33	1	2.33
122P	3	2	1.33	1	1	1	1	1	1	1	3
122T	3	1.33	1.67	1.5	1	2	2	1	2	2	2
123P	3	1	1	1	1	1.83	1	1	2	1	2.17
123T	3	-	-	1	-	1	-	-	1	1	3
124P	3	2.5	2.33	1.2	1.33	1.67	1.4	1.17	2	1.5	3
124T	3	1.5	1.5	2	1	2	1.17	-	1.83	1	3
125P	3	1.67	1.17	1.17	1	3	1	3	1.75	1	3
125T	3	1	1.33	1.25	1	3	1	1	1.2	2.17	3
126P	3	1	2	1	1	1	1	1	1	-	2
126T	3	-	1	-	1	1	1	-	-	1	3
231P	3	3	3	2.17	-	1.83	1.17	2	1	-	1.83
231T	3	1.67	2	2.17	-	1.5	1	-	1.5	1.17	2.17
232P	2.17	2	1.33	1	1	2.67	2.83	1	2	2	2.5
232T	3	1	1	1	-	2	2.67	1	2	2	3
233P	3	1.83	2	2	2	1.67	1.67	2	2	2	3
233T	3	-	-	1.5	-	2.33	-	1	1.4	1.6	3
234P	3	2.5	1.83	2.67	-	1.5	1.17	2.67	1.2	-	3
234T	3	1.83	1.6	2.25	-	1.83	1.33	2	1	1	3
235T	3	2	2.8	2	-	2.17	2.33	-	1.83	1	2.17
236P	3	2	2	2.17	-	1.17	1.67	1.17	2	2	2.67
236T	3	-	-	1.67	-	2	2	-	3	2	3
241P	3	3	3	2.67	-	2	1	2	1	-	2.17
241T	3	1.25	2	2.17	-	-	1	-	1.17	1.17	2.5
242P	2.83	2.33	1.8	1.8	-	2	1	-	2	1.5	2.17
242T	2.83	2.33	1.8	1.8	-	2	1	-	2	1.5	2.17

243P	3	2	2	1	1	2	3	1	3	3	3
243T	3	2	1	-	1	3	3	2	3	1	3
244P	3	2	2	1.83	-	-	-	2	2	2	3
244T	3	1.5	1.4	2	-	2	1	1.25	1.83	2	3
245P	3	2.17	1.83	2.67	-	1	1	2	2	2	3
245T	3	-	-	2	-	2	2	-	3	2	3
246T	3	-	1	2	-	1	1	1	1	1	3
351P	3	2	2	2	1	1	1	1	1	1	3
351T	3	1	2	1.83	-	1.67	2	1	1	1.83	3
352P	3	1.5	2.33	3	3	1.67	2.17	3	2.17	2.5	3
352T	3	1	2	1	1	1	2	1	2	-	3
353P	2.67	1.67	1.67	2.17	2	1.5	1	1	1	-	2.67
353T	3	-	2.33	2	-	1.67	1	1	1	-	2.83
354P	3	2.6	2.8	2.33	-	2.33	2.33	-	2	-	3
354T	3	-	1.75	1.5	-	1	1	1	1.67	1	3
355P	3	1.8	2.67	2.4	-	2.5	1.83	2.17	2	2.5	3
355T	3	1.8	2.5	2.2	-	2.5	1.83	2.17	2	2.67	3
356T	1.4	2.67	2.33	2.17	2.67	1.83	2.17	2.83	1.67	1.6	2.83
357T	3	1.5	1.67	2.33	-	1.83	1.17	2.33	1.17	1.4	3
361P	3	1.83	1.67	1.67	1	1	1	1	1	1	3
361T	3	1	1	1	-	2	1	1	1	1	3
362P	3	2.5	2.17	2.67	2	2	2.33	2	2	3	3
362T	3	1	2	2	1	1	2	1	2	1	3
363P	2.83	1.67	1.67	2.17	1	1	1	1	1	1.5	2.5
363T	3	-	2.5	2.33	-	1.67	1	1	1	-	2.83
364P	3	3	3	1.5	-	2	1.67	-	2	-	3
364T	3	-	2.83	1	1	2.5	1.83	-	1.8	1	3
365P	3	1.5	2.6	2.67	-	2.5	2.33	2.33	1.83	1.6	3
365T	3	1.5	2.2	2.5	-	2.5	2	2.83	1.83	1.33	3
366T	2	2	2	2	-	1.5	1.17	1	2	2	3
367T	2.17	1	1	2	1	1	2	1	1.83	2	2
471P	3	2	2	2.83	-	3	3	1	2	2	3
471T	3	2	2	2.83	-	3	3	1	2	2	3
472P	2.83	2.33	2.33	2.33	1.5	1.67	1.5	2	1.5	3	3
472T	3	2	3	2.83	1	2.83	1.33	2	2	2.5	3
473P	3	2	1	2	-	3	3	1	3	3	2
473T	3	1	1	2	-	3	3	1	2	1	2
474P	3	2	2	2.83	-	3	3	1	2	2	3
474T	3	1.83	2.17	2	-	3	3	-	3	1.33	2
475P	3	1.6	2.5	3	-	2.67	2.17	2.5	2.2	1.6	3
475T	3	1.6	2.5	3	-	2.67	2.17	2.5	2.2	1.6	3
476T	3	1	1.67	1	-	2	1.67	1	1	1	3
477T	3	1.83	2	-	1	2	2	1	1.5	2	3
481P	3	2	2	3	-	3	3	1	2	2	3
481T	3	2	2	2.83	-	3	3	1	2	2	3
482P	3	2	1.67	1.83	2	1.5	1	1.5	1.33	1.67	3
482T	3	1.5	1.67	1.83	1	2	2	1.67	1.83	1	3

483P	3	2.33	2.33	2.67	1	2.5	2	2	1.5	3	3
483T	2.83	2	2.33	2.33	1.5	2	2	2	2.17	2.2	3
484P	3	2	1	2	-	3	3	1	3	3	2
484T	3	2	1	2	-	3	3	2	2	1.75	2
485P	3	2	2	2	-	2	2	-	2	2	2.17
485T	3	1.83	2.17	2	-	3	3	2	3	1.17	2
486T	3	1	2.67	2	-	2.33	2.17	2.5	1.83	3	3
487T	3	2	1	1.5	1	2	1	1	1	1.25	3

Table 3.1.3.2.Course-PO matrix of courses for all four years of study 2016-20 graduating batch

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
111P	3	1.83	2	1.33	1	1	1	1	1	1	3
111T	3	1.67	2.17	2	1.83	1.67	2.33	1.67	1.83	1.4	3
112P	3	1.5	1.67	1.33	1	1.67	2	1.17	3	1	2.67
112T	3	1.67	1.5	1.33	1.17	1.83	2.33	1	2.17	2.17	3
113P	3	2.5	1.83	2.67	-	1.5	1.17	2.67	1.2	-	3
113T	3	2	2.5	2.67	-	1.4	1.5	2.5	1.4	1	3
114P	3	1	1	1	-	1	1	1	1	1	3
114T	3	1	1	1	-	1	2	-	2	1.6	3
115P	3	2.67	3	2	2	1.8	1.83	1.25	2	2	3
115T	3	1	1	1.2	-	2.83	1.33	-	2.83	1	3
116T	1	1.83	1	1.67	1.83	1.5	1.33	2.5	1	1.83	2.83
121T	3	1.25	1.2	2.83	1.25	2.33	2	1	1.33	1	2.33
122P	3	2	1.33	1	1	1	1	1	1	1	3
122T	3	1.33	1.67	1.5	1	2	2	1	2	2	2
123P	3	1	1	1	1	1.83	1	1	2	1	2.17
123T	3	-	-	1	-	1	-	-	1	1	3
124P	3	2.5	2.33	1.2	1.33	1.67	1.4	1.17	2	1.5	3
124T	3	1.5	1.5	2	1	2	1.17	-	1.83	1	3
125P	3	1.67	1.17	1.17	1	3	1	3	1.75	1	3
125T	3	1	1.33	1.25	1	3	1	1	1.2	2.17	3
126P	3	1	2	1	1	1	1	1	1	-	2
126T	3	-	1	-	1	1	1	-	-	1	3
231P	3	3	3	2.17	-	1.83	1.17	2	1	-	1.83
231T	3	1.67	2	2.17	-	1.5	1	-	1.5	1.17	2.17
232P	2.17	2	1.33	1	1	2.67	2.83	1	2	2	2.5
232T	3	1	1	1	-	2	2.67	1	2	2	3
233P	3	1.83	2	2	2	1.67	1.67	2	2	2	3
233T	3	-	-	1.5	-	2.33	-	1	1.4	1.6	3

234P	3	2.5	1.83	2.67	-	1.5	1.17	2.67	1.2	-	3
234T	3	1.83	1.6	2.25	-	1.83	1.33	2	1	1	3
235T	3	2	2.8	2	-	2.17	2.33	-	1.83	1	2.17
236P	3	2	2	2.17	-	1.17	1.67	1.17	2	2	2.67
236T	3	-	-	1.67	-	2	2	-	3	2	3
241P	3	3	3	2.67	-	2	1	2	1	-	2.17
241T	3	1.25	2	2.17	-	-	1	-	1.17	1.17	2.5
242P	2.83	2.33	1.8	1.8	-	2	1	-	2	1.5	2.17
242T	2.83	2.33	1.8	1.8	-	2	1	-	2	1.5	2.17
243P	3	2	2	1	1	2	3	1	3	3	3
243T	3	2	1	-	1	3	3	2	3	1	3
244P	3	2	2	1.83	-	-	-	2	2	2	3
244T	3	1.5	1.4	2	-	2	1	1.25	1.83	2	3
245P	3	2.17	1.83	2.67	-	1	1	2	2	2	3
245T	3	-	-	2	-	2	2	-	3	2	3
246T	3	-	1	2	-	1	1	1	1	1	3
351P	3	2	2	2	1	1	1	1	1	1	3
351T	3	1	2	1.83	-	1.67	2	1	1	1.83	3
352P	3	1.5	2.33	3	3	1.67	2.17	3	2.17	2.5	3
352T	3	1	2	1	1	1	2	1	2	-	3
353P	2.67	1.67	1.67	2.17	2	1.5	1	1	1	-	2.67
353T	3	-	2.33	2	-	1.67	1	1	1	-	2.83
354P	3	2.6	2.8	2.33	-	2.33	2.33	-	2	-	3
354T	3	-	1.75	1.5	-	1	1	1	1.67	1	3
355P	3	1.8	2.67	2.4	-	2.5	1.83	2.17	2	2.5	3
355T	3	1.8	2.5	2.2	-	2.5	1.83	2.17	2	2.67	3
356T	1.4	2.67	2.33	2.17	2.67	1.83	2.17	2.83	1.67	1.6	2.83
357T	3	1.5	1.67	2.33	-	1.83	1.17	2.33	1.17	1.4	3
361P	3	1.83	1.67	1.67	1	1	1	1	1	1	3
361T	3	1	1	1	-	2	1	1	1	1	3
362P	3	2.5	2.17	2.67	2	2	2.33	2	2	3	3
362T	3	1	2	2	1	1	2	1	2	1	3
363P	2.83	1.67	1.67	2.17	1	1	1	1	1	1.5	2.5
363T	3	-	2.5	2.33	-	1.67	1	1	1	-	2.83
364P	3	3	3	1.5	-	2	1.67	-	2	-	3
364T	3	-	2.83	1	1	2.5	1.83	-	1.8	1	3
365P	3	1.5	2.6	2.67	-	2.5	2.33	2.33	1.83	1.6	3
366T	2	2	2	2	-	1.5	1.17	1	2	2	3
365T	3	1.5	2.2	2.5	-	2.5	2	2.83	1.83	1.33	3
367T	2.17	1	1	2	1	1	2	1	1.83	2	2

471P	3	2	2	2.83	-	3	3	1	2	2	3
471T	3	2	2	2.83	-	3	3	1	2	2	3
472P	2.83	2.33	2.33	2.33	1.5	1.67	1.5	2	1.5	3	3
472T	3	2	3	2.83	1	2.83	1.33	2	2	2.5	3
473P	3	2	1	2	-	3	3	1	3	3	2
473T	3	1	1	2	-	3	3	1	2	1	2
474P	3	2	2	2.83	-	3	3	1	2	2	3
474T	3	1.83	2.17	2	-	3	3	-	3	1.33	2
475P	3	1.6	2.5	3	-	2.67	2.17	2.5	2.2	1.6	3
475T	3	1.6	2.5	3	-	2.67	2.17	2.5	2.2	1.6	3
476T	3	1	1.67	1	-	2	1.67	1	1	1	3
477T	3	1.83	2	-	1	2	2	1	1.5	2	3
481P	3	2	2	3	-	3	3	1	2	2	3
481T	3	2	2	2.83	-	3	3	1	2	2	3
482P	3	2	1.67	1.83	2	1.5	1	1.5	1.33	1.67	3
482T	3	1.5	1.67	1.83	1	2	2	1.67	1.83	1	3
483P	3	2.33	2.33	2.67	1	2.5	2	2	1.5	3	3
483T	2.83	2	2.33	2.33	1.5	2	2	2	2.17	2.2	3
484P	3	2	1	2	-	3	3	1	3	3	2
484T	3	2	1	2	-	3	3	2	2	1.75	2
485P	3	2	2	2	-	2	2	-	2	2	2.17
485T	3	1.83	2.17	2	-	3	3	2	3	1.17	2
486T	3	1	2.67	2	-	2.33	2.17	2.5	1.83	3	3
487T	3	2	1	1.5	1	2	1	1	1	1.25	3

Table 3.1.3.3.Course-PO matrix of courses for all four years of study 2015-19 graduating batch

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
111P	3	1.83	2	1.33	1	1	1	1	1	1	3
111T	2.5	2	1.8	1.4	1.67	1.33	1.5	1.2	1	1.5	1.83
112P	3	1.67	1.67	1	1.5	2.17	2	2	2	2	3
112T	3	1.67	1.5	1.33	1.17	1.83	2.33	1	2.17	2.17	3
113P	3	2.5	1.83	2.67	-	1.5	1.17	2.67	1.2	-	3
113T	3	2	2.5	2.67	-	1.4	1.33	2.5	1.4	1	3
114P	3	1	1	1	-	1	1	1	1	1	3
114T	3	1	1	1	-	1	2	-	2	1.6	3
115P	3	2.67	3	2	2	1.8	1.83	1.25	2	2	3
115T	3	1	1	1.2	-	2.83	1.33	-	2.83	1	3
116T	1	1.83	1	1.67	1.5	1.5	1.33	2.5	1	1.83	2.83

121T	3	1.25	1.2	2.83	1.25	2.33	2	1	1.33	1	2.33
122P	3	2	1	1	-	2	3	1	2	2	2
122T	3	1.33	1.67	1.5	-	2	2	1	2	2	2
123P	3	1	1	1	1	1.83	1	1	2	1	2.17
123T	3	-	-	1	-	1	-	-	1	1	3
124P	3	2.5	2.33	1.2	1.33	1.67	1.4	1.17	2	1.5	3
124T	3	1.5	1.5	2	1	2	1.17	-	1.83	1	3
125P	3	1.67	1.17	1.17	1	3	1	3	1.75	1	3
125T	3	1	1.33	1.25	1	3	1	1	1.25	2.17	3
126P	3	1	2	1	1	1	1	1	1	-	2
126T	3	-	1	-	1	1	1	-	-	1	3
231P	3	3	3	2.17	-	1.83	1.17	2	1	-	1.83
231T	3	1.67	2	2.17	-	1.5	1	-	1.5	1.17	2.17
232P	2.17	2	1.33	1	-	2.67	2.83	1	2	2	2.5
232T	3	1	1	1	-	2	2.67	1	2	2	3
233P	3	1.83	2	2	2	1.67	1.67	2	2	2	3
233T	3	-	-	1.5	-	2.33	-	1	1.4	1.6	3
234P	3	2.5	1.83	2.67	-	1.5	1.17	2.67	1.2	-	3
234T	3	1.83	1.6	2.25	-	1.83	1.33	2	1	1	3
235T	3	2	2.8	2	-	2.17	2.33	-	1.83	1	2.17
236P	3	2	2	2.17	-	1.17	1.67	1.17	2	2	2.67
236T	3	-	-	1.67	-	2	2	-	3	2	3
241P	3	3	3	2.67	-	2	1	2	1	-	2.17
241T	3	1.25	2	2.17	-	-	1	-	1.17	1.17	2.5
242P	2.83	2.33	1.8	1.8	-	2	1	-	2	1.5	2.17
242T	2.83	2.33	1.8	1.8	-	2	1	-	2	1.5	2.17
243P	3	2	2	1	-	2	3	1	3	3	3
243T	3	2	1	-	1	3	3	2	3	1	3
244P	3	2	2	1.83	-	-	-	2	2	2	3
244T	3	1.5	1.4	2	-	2	1	1.25	1.83	2	3
245P	3	2.17	1.83	2.67	-	1	1	2	2	2	3
245T	3	-	-	2	-	2	2	-	3	2	3
246T	3	-	1	2	-	1	1	1	1	1	3
351P	3	2	2	2	1	1	1	1	1	1	3
351T	3	1	2	1.83	-	1.67	2	1	1	1.83	3
352P	3	1.5	2.33	2.83	3	1.67	2.17	3	2.33	2.5	3
352T	2.83	2	2.33	2.33	1.5	2	2	2	2.17	2.2	3
353P	2.67	1.67	1.67	2.17	-	1.5	1	1	1	-	2.67
353T	3	-	2.33	2	-	1.67	1	1	1	-	2.83
354P	3	2.6	2.8	2.33	-	2.33	2.33	-	2	-	3
354T	3	-	1.75	1.5	-	1	1	1	1.67	1	3

355P	3	1.8	2.67	2.4	-	2.5	1.83	2.17	2	2.5	3
355T	3	1.8	2.5	2.2	-	2.5	1.83	2.17	2	2.67	3
356T	1.4	2.67	2.33	2.17	2.67	1.83	2.17	2.83	1.67	1.6	2.83
357T	3	1.5	1.67	2.33	-	1.83	1.17	2.33	1.17	1.4	3
361P	3	1.83	1.67	1.67	1	1	1	1	1	1	3
361T	3	1	1	1	-	2	1	1	1	1	3
362P	3	1.5	2.33	2.83	3	1.67	2.17	3	2.17	2	3
362T	3	1.5	2.33	2.83	3	1.67	2.17	3	2.17	2	3
363P	2.83	1.67	1.67	2.17	-	1	1	1	1	-	2.5
363T	3	-	2.5	2.33	-	1.67	1	1	1	-	2.83
364P	3	3	3	1.5	-	2	1.67	-	2	-	3
364T	3	-	2.83	1	1	2.5	1.83	-	1.8	1	3
365P	3	1.5	2.6	2.67	-	2.5	2.33	2.33	1.83	1.6	3
365T	3	1.5	2.2	2.5	-	2.5	2	2.83	1.83	1.33	3
366T	2	2	2	2	-	1.5	1.17	1	2	2	3
367T	3	1.17	1	1.33	-	2	1.33	1	1.33	1.67	3
471P	3	2	2	2.83	-	3	3	1	2	2	3
471T	3	2	2	2.83	-	3	3	1	2	2	3
472P	2.83	2.33	2.33	2.33	1.5	1.67	1.5	2	1.5	3	3
472T	3	2	3	2.83	1	2.83	1.33	2	2	2.5	3
473P	3	2	1	2	-	3	3	-	3	3	2
473T	3	2	1	2	-	2	3	1	3	3	3
474P	3	2	2	2	-	2	1.6	-	2	1.8	2.17
474T	3	1.83	2.17	2	-	3	3	-	3	1.33	2
475P	3	1.6	2.5	3	-	2.67	2.17	2.5	2.2	1.6	3
475T	3	1.6	2.5	3	-	2.67	2.17	2.5	2.2	1.6	3
476T	3	1	1.67	1	-	2	1.67	1	1	1	3
477T	3	1.83	2	-	1	2	2	1	1.5	2	3
481P	3	2	2	3	-	3	3	1	2	2	3
481T	3	2	2	2.83	-	3	3	1	2	2	3
482P	3	2.17	1.83	2.17	1	2	1.17	2	2	1	2.83
482T	3	1.67	1.83	1.83	1	1.83	1.67	1	1.83	1.2	2.17
483P	3	2.33	2.33	2.67	1	2.5	2	2	1.5	3	3
483T	2.83	2	2.33	2.33	1.5	2	2	2	2.17	2.2	3
484P	3	2	1	2	-	3	3	-	3	3	2
484T	3	2	1.17	2	-	3	3	-	2	3	3
485P	3	2	2	2	-	2	2	-	2	2	2.17
485T	3	1.83	2.17	2	-	3	3	2	3	1.17	2
486T	3	1	2.67	2	-	2.33	2.17	2.5	1.83	3	3
487T	3	2	1	1.5	1	2	1	1	1	1.25	3
Average	2.92	1.81	1.88	1.95	1.42	1.98	1.76	1.61	1.78	1.73	2.17

The following are the observations from the **Table 3.1.3.1, 3.1.3.2 and 3.1.3.3**

1) PO1 and PO11 have highly attainable values for theory subjects.
2) For practical courses, PO1 to PO4 are highly attainable as compared to theory courses.
3) For most of the theory subjects, the values varied from 1 to 2.8 (against the maximum 3).
4) Average of course outcomes are considered as a basis for analysis of course attainment.

3.2 Attainment of Course Outcomes (40)

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

(Examples of data collection processes may include, but are not limited to, specific exam/tutorial questions, assignments, laboratory tests, project evaluation, student portfolios (A portfolio is a collection of artifacts that demonstrate skills, personal characteristics, and accomplishments created by the student during study period), internally developed assessment exams, project presentations, oral exams, focus groups etc. It is expected that each theory subject taught should impart specific knowledge and make a foundation for a set of Basic Concepts related to it. Similarly the laboratory experiments should have some predetermined and predefined skills which can be developed during the study)

Course outcomes are evaluated by formal method which is purely course embedded matrix method. The method is chosen as information is easily and readily available and the same method for all courses. Attainment of course outcomes is calculated based on marks obtained by students in internal and university examination.

The institute authority has set the set of targets for evaluation and accordingly the attainments of course outcomes are calculated.

Assessment process is divided into two parts

1. **Internal examination**

   - Course outcome attainment for internal examination is calculated as per the course structure from Savitribai Phule Pune University, Pune. For 2013 pattern 30 marks whilst for 2015 pattern credit system 40 marks are allotted for internal assessment for each course out of 100 marks.
   - Internal Theory Examination is assessed by Theory Sessional examination for 2013 pattern and Theory Sessional examination, Short quiz and assignments for 2015 credit System. A theory paper involves short as well as long answer questions. Assignments involve long answer type questions. Question pattern in examination is uniform for all courses.

- Practical internal examination is assessed by practical Sessional examination, Journal marks and continuous evaluation.
- Each of these categories contributes a certain portion of marks into attainment of Course outcomes.
- Marks obtained by the students in theory and practical internal examination with respect to each course are considered for calculations of attainment of respective courses.

2. Course evaluation through university semester end examination

- University examination is carried out by Savitribai Phule Pune University. As the university does not provide average marks, we have set target level for theory and practical courses.

For the year 2015-19 target is set at 50% for both theory and practical courses for internal examination and 40% for university semester end examination

- If 50% of students have obtained marks above target then attainment is considered as-low level -1.
- If 60% of students have obtained marks above target then attainment s is considered as –moderate-2.
- If 70% of students have obtained marks above target then attainment is considered as –high-3.

For the year 2016-20 target is set at 52% for both theory and practical courses for internal examination and 42% for university semester end examination.

- If 50% of students have obtained marks above target then attainment is considered as-low level -1.
- If 60% of students have obtained marks above target then attainment s is considered as –moderate-2.
- If 70% of students have obtained marks above target then attainment is considered as –high-3.

For the year 2017-21 target is set at 53% for both theory and practical courses for internal examination and 43 % for university semester end examination

- If 50% of students have obtained marks above target then attainment is considered as-low level -1.
- If 60% of students have obtained marks above target then attainment s is considered as –moderate-2.
- If 70% of students have obtained marks above target then attainment is considered as –high-3.

Weightage for internal as well as university examination is considered as per course pattern given by Savitribai Phule Pune University which is described as course outcome attainment:

Course Outcome Attainment: As per the curriculum prescribed by Savitribai Phule Pune University, weightage of university semester end examination and internal examination marks were considered and it was decided to calculate the course outcome attainments as follows:

- 2013 Pattern: 70% weightage is given to university examination and 30% weightage is given to internal assessment, the attainment calculations are as follows: 70% of 3 + 30% of 2: 2.1 + 0.6 = 2.7
- 2015 Pattern: 60% weightage is given to university examination and 40% weightage is given to internal assessment, the attainment calculations are as follows: 60% of 3+40% of 2: 1.8+0.8=2.6

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

Self-assessment Marks:30

Program shall have set Course Outcome attainment levels for all courses.

(The attainment levels shall be set considering average performance levels in the University examination or any higher value set as target for the assessment years. Attainment level is to be measured in terms of student performance in internal assessments with respect the course outcomes of a course in addition to the performance in the University examination)

Measuring Course Outcomes attained through University Examinations

Target may be stated in terms of percentage of students getting more than the University average marks or more as selected by the Program in the final examination. For cases where the University does not provide useful indicators like average or median marks etc., the Program may choose an attainment level on its own with justification.

Example related to attainment levels Vs. targets: (The examples indicated are for reference only. Program may appropriately define levels)

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

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

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

- *Attainment is measured in terms of actual percentage of students getting set percentage of marks.*
- *If targets are achieved then all the course outcomes are attained for that year. Program is expected to set higher targets for the following years as a part of continuous improvement.*
- *If targets are not achieved the Program should put in place an action plan to attain the target in subsequent years.*

Measuring CO attainment through Internal Assessments: (The examples indicated are for reference only. Program may appropriately define levels)

Target may be stated in terms of percentage of students getting more than class average marks or set by the Program in each of the associated COs in the assessment instruments (midterm tests, assignments, mini projects, reports and presentations etc. as mapped with the COs)

***Example** Mid-term test 1 addresses C202.1 and C202.2. Out of the maximum 20 marks for this test 12 marks are associated with C202.1 and 8 marks are associated with C202.2. Examples related to attainment levels Vs. targets:*

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

*Attainment Level 2: **70%** students scoring more than 60% marks out of the **relevant maximum marks is considered to be attainment of "2"***

*Attainment Level 3: **80%** students scoring more than 60% marks out of the **relevant maximum marks is considered to be attainment of "3"***

- *Attainment is measured in terms of actual percentage of students getting set percentage of marks.*
- *If targets are achieved then the C202.1 and C202.2 are attained for that year. Program is expected to set higher targets for the following years as a part of continuous improvement.*
- *If targets are not achieved the Program should put in place an action plan to attain the target in subsequent years*

Similar targets and achievement are to be stated for the other midterm tests/internal assessment instruments.

Course Outcome Attainment:

For example:

Attainment through University Examination: Substantial i.e. 3

Attainment through Internal Assessment: Moderate i.e. 2

Assuming 80% weightage to University examination and 20% weightage to Internal assessment, the attainment calculations will be (80% of University level) + (20% of Internal level) i.e. 80% of 3 + 20% of 2 = 2.4 + 0.4 = 2.8

Note: Weightage of 80% to University exams is only an example. Programs may decide weightage appropriately for University exams and internal assessment with due justification.

Course Outcome Attainment: As per the curriculum prescribed by Savitribai Phule Pune University, weightage of university end semester examination and internal examination marks were considered and it was decided to calculate the course outcome attainments as follows:

- For 2013 Pattern: 70% Weightage is given to university examination and 30% weightage is given to internal assessment, the attainment calculations are as follows: 70% of 3 + 30% of 2: 2.1 + 0.6 = 2.7
- For 2015 Pattern: 60% Weightage is given to university examination and 40% weightage is given to internal assessment, the attainment calculations are as follows: 60% of 3+40% of 2: 1.8+0.8=2.6

Attainment levels Vs. targets:

Attainment Level 1: **50%** students scoring more than University average percentage marks or set attainment level in the final examination is considered to **be attainment of "1"**

Attainment Level 2: **60%** students scoring more than University average percentage marks or set attainment level in the final examination is considered to **be attainment of "2"**

Attainment Level 3: **70%** students scoring more than University average percentage marks or set attainment level in the final examination is considered to be **attainment of "3"**

- Attainment is measured in terms of actual threshold percentage of students getting set percentage of marks.
- If targets are achieved then all the course outcomes are attained for that year. Program is expected to set higher targets for the following years as a part of continuous improvement.
- If targets are not achieved the Program should put in place an action plan to attain the target in subsequent years.
- The Record the attainment of Course Outcomes of all courses with respect to set attainment levels are shown in Table 3.2.2.1 , 3.2.2.2 and 3.2.2.3 respectively.

Table3.2.2.1. Course Wise CO Attainment for 2017-21 graduating batch

Course	Threshold based Attainment %	Attainment Level	Average Based Attainment %
Pharmaceutics-I P - [111P]			
CO1	84.23	2.51	68.08
CO2	85.78	2.60	69.37
CO3	93.54	2.83	74.41
CO4	89.18	2.70	71.49
CO5	93.56	2.83	73.99
CO6	98.76	3.00	77.56
Pharmaceutics-I T - [111T]			
CO1	73.77	2.40	54.69
CO2	66.60	2.20	50.35
CO3	70.82	2.40	54.40
CO4	68.48	2.40	51.08
CO5	64.48	2.40	49.04
CO6	62.65	2.20	49.12
Modern Dispensing Practices T- [112T]			
CO1	67.80	2.20	49.34
CO2	67.80	2.20	49.34
CO3	68.37	2.20	50.80
CO4	66.94	2.20	49.82
CO5	64.66	2.20	48.05
CO6	64.86	2.20	48.11
Modern Dispensing Practices P- [112P]			
CO1	81.68	2.20	61.78
CO2	84.03	2.43	62.63
CO3	80.40	2.08	61.35
CO4	81.55	2.20	61.68
CO5	81.76	2.20	61.96
CO6	81.55	2.20	61.68
Pharmaceutical Inorganic Chemistry T - [113T]			
CO1	94.17	3.00	59.07
CO2	76.95	2.40	51.80
CO3	85.18	2.60	53.97
CO4	89.61	2.87	57.14
CO5	94.06	3.00	59.35
CO6	81.95	2.40	54.83
Pharmaceutical Inorganic Chemistry-P - [113P]			
CO1	96.27	2.91	72.32
CO2	99.13	3.00	75.21
CO3	97.86	3.00	73.81
CO4	99.13	3.00	75.21
CO5	99.13	3.00	75.21
CO6	98.06	3.00	73.13
Pharmaceutical Organic Chemistry I T - [114T]			
CO1	85.61	2.80	64.13

CO2	77.88	2.40	63.25
CO3	87.00	3.00	67.86
CO4	90.15	3.00	70.16
CO5	84.45	2.87	64.21
CO6	87.90	3.00	67.29
Pharmaceutical Organic Chemistry I P - [114P]			
CO1	96.60	3.00	68.04
CO2	96.60	3.00	68.04
CO3	96.60	3.00	68.04
CO4	92.68	2.91	69.29
CO5	92.36	2.87	69.24
CO6	92.72	2.87	69.49
Human Anatomy and Physiology-I T - [115T]			
CO1	89.83	3.00	61.55
CO2	73.54	2.20	54.63
CO3	71.91	2.20	53.76
CO4	80.77	2.60	61.38
CO5	76.35	2.47	55.99
CO6	74.98	2.40	55.18
Human Anatomy and Physiology-IP - [115P]			
CO1	93.84	2.83	64.13
CO2	87.62	2.60	62.30
CO3	89.08	2.55	63.45
CO4	89.78	2.73	63.54
CO5	88.13	2.69	62.69
CO6	93.32	2.83	63.60
Communication and Soft Skill Development- [116T]			
CO1	70.33	2.20	52.44
CO2	59.99	1.80	46.97
CO3	69.58	2.20	52.14
CO4	69.58	2.20	52.14
CO5	70.60	2.20	51.63
CO6	70.60	2.20	51.63
Pharmaceutics- II- [121T]			
CO1	85.72	2.80	61.30
CO2	76.30	2.33	54.00
CO3	84.74	2.60	59.02
CO4	72.35	2.20	50.77
CO5	76.56	2.40	53.36
CO6	82.30	2.40	58.15
Dosage form Design P - [122P]			
CO1	82.96	2.20	67.10
CO2	87.72	2.60	69.97
CO3	82.78	2.20	66.90
CO4	89.48	3.00	69.90
CO5	85.39	2.47	68.80
CO6	87.72	2.60	69.97
Dosage form Design T - [122T]			
CO1	82.96	2.20	67.10
CO2	87.72	2.60	69.97

CO3	82.78	2.20	66.90
CO4	89.48	3.00	69.90
CO5	85.39	2.47	68.80
CO6	87.72	2.60	69.97
Pharmaceutical Organic Chemistry II P - [123P]			
CO1	90.63	2.60	67.20
CO2	91.93	2.69	70.54
CO3	90.63	2.60	67.20
CO4	87.84	2.38	68.16
CO5	90.63	2.60	67.20
CO6	90.63	2.60	67.20
Pharmaceutical Organic Chemistry II T - [123T]			
CO1	44.68	0.20	47.42
CO2	47.17	0.40	47.62
CO3	44.98	0.20	47.46
CO4	44.30	0.20	47.30
CO5	44.30	0.20	47.30
CO6	46.64	0.40	47.67
Human Anatomy and Physiology-II T - [124T]			
CO1	93.90	3.00	67.00
CO2	81.93	2.47	61.20
CO3	78.90	2.40	59.74
CO4	79.13	2.33	59.38
CO5	83.12	2.60	61.85
CO6	84.46	2.60	61.51
Human Anatomy and Physiology-II P - [124P]			
CO1	75.51	2.40	59.20
CO2	72.81	2.27	57.70
CO3	67.47	2.10	55.09
CO4	76.67	2.40	59.19
CO5	67.53	2.00	55.21
CO6	71.08	2.20	57.16
Pharmacognosy P - [125P]			
CO1	91.95	2.80	71.86
CO2	90.41	2.78	69.95
CO3	85.91	2.51	68.12
CO4	91.95	2.80	71.86
CO5	91.95	2.80	71.86
CO6	91.02	2.70	70.64
Pharmacognosy T - [125T]			
CO1	72.09	2.40	56.37
CO2	73.23	2.60	55.55
CO3	65.62	2.20	51.89
CO4	82.03	3.00	60.27
CO5	82.03	3.00	60.27
CO6	73.95	2.60	55.63
Pharmaceutical Analysis I T - [126T]			
CO1	70.72	2.00	53.62
CO2	75.68	2.40	58.19
CO3	70.07	2.00	53.97

CO4	68.25	2.00	53.81
CO5	62.46	1.60	50.56
CO6	79.66	2.40	58.73
Pharmaceutical Analysis I P - [126P]			
CO1	96.18	3.00	71.93
CO2	96.18	3.00	71.93
CO3	94.71	2.88	71.75
CO4	87.85	2.56	69.37
CO5	91.04	2.73	70.61
CO6	93.36	2.83	70.65
Physical Pharmaceutics-I P - [231P]			
CO1	88.61	2.69	71.01
CO2	90.67	2.66	72.40
CO3	92.61	2.82	72.86
CO4	87.72	2.65	70.18
CO5	90.54	2.87	73.03
CO6	92.99	2.87	73.95
Physical Pharmaceutics-I T - [231T]			
CO1	86.82	2.60	60.09
CO2	79.91	2.47	55.20
CO3	74.34	2.20	50.15
CO4	85.60	2.73	58.41
CO5	83.32	2.40	57.19
CO6	81.75	2.40	55.74
Pharmaceutical MicrobiologyT - [232T]			
CO1	82.00	2.40	60.80
CO2	85.98	2.40	61.21
CO3	83.93	2.40	61.02
CO4	74.10	2.20	56.55
CO5	85.31	2.40	62.11
CO6	75.94	2.20	57.44
Pharmaceutical MicrobiologyP - [232P]			
CO1	57.74	1.27	46.80
CO2	49.08	0.94	42.80
CO3	62.97	1.56	49.56
CO4	55.67	1.28	45.78
CO5	70.29	1.80	52.79
CO6	70.29	1.80	52.79
Pharmaceutical Biochemistry T - [233]			
CO1	85.71	2.40	57.75
CO2	95.20	3.00	58.96
CO3	86.32	2.60	55.80
CO4	85.46	2.47	56.47
CO5	85.72	2.60	55.79
CO6	97.05	3.00	58.98
Pharmaceutical Biochemistry P - [233P]			
CO1	91.46	2.64	70.06
CO2	92.62	2.73	70.99
CO3	91.24	2.69	70.37
CO4	91.61	2.64	70.75

CO5	98.36	3.00	71.67
CO6	98.67	3.00	71.58
Pharmaceutical Organic Chemistry III T - [234T]			
CO1	78.69	2.60	57.45
CO2	74.83	2.47	56.19
CO3	80.54	2.80	60.17
CO4	77.87	2.60	58.43
CO5	81.50	3.00	60.56
CO6	76.42	2.60	56.65
Pharmaceutical Organic Chemistry-P - [234P]			
CO1	93.04	2.78	72.93
CO2	95.40	2.93	72.78
CO3	94.34	2.94	72.99
CO4	95.40	2.93	72.78
CO5	95.40	2.93	72.78
CO6	92.54	2.87	72.32
Pharmacology-I-T - [235T]			
CO1	78.33	2.40	54.05
CO2	83.22	2.60	57.25
CO3	76.87	2.33	54.69
CO4	81.07	2.40	57.65
CO5	83.05	2.60	57.75
CO6	83.60	2.60	57.20
Pharmacognosy&Phytochemistry - I -T - [236T]			
CO1	90.45	2.80	61.34
CO2	84.45	2.40	60.15
CO3	76.22	2.20	55.09
CO4	71.72	2.20	51.22
CO5	74.38	2.20	53.45
CO6	83.34	2.40	57.29
Pharmacognosy&Phytochemistry - I -P - [236P]			
CO1	97.18	3.00	72.04
CO2	97.31	3.00	72.77
CO3	97.04	3.00	72.02
CO4	97.31	3.00	72.96
CO5	97.04	3.00	72.27
CO6	97.31	3.00	72.96
Physical Pharmaceutics-II T - [241T]			
CO1	87.77	2.40	60.41
CO2	83.61	2.20	56.69
CO3	88.91	2.60	59.52
CO4	98.00	3.00	63.88
CO5	79.42	2.33	53.41
CO6	82.99	2.33	56.51
Physical Pharmaceutics-II P - [241P]			
CO1	96.96	3.00	75.26
CO2	83.89	2.51	70.90
CO3	96.85	3.00	75.80
CO4	83.53	2.51	70.47
CO5	83.97	2.56	71.33

CO6	96.85	3.00	75.80
Pathophysiology & Clinical biochemistry T - [242T]			
CO1	89.73	2.60	63.75
CO2	89.16	2.60	61.92
CO3	87.65	2.47	59.95
CO4	84.53	2.47	59.20
CO5	81.89	2.20	57.29
CO6	87.78	2.40	61.62
Pathophysiology & Clinical Biochemistry P - [242P]			
CO1	85.27	2.43	70.66
CO2	85.59	2.54	71.47
CO3	87.42	2.48	73.96
CO4	89.99	2.68	73.25
CO5	89.34	2.80	74.09
CO6	91.45	2.70	73.08
Pharmaceutical Organic Chemistry IV T - [243T]			
CO1	85.81	2.73	60.79
CO2	79.21	2.40	59.91
CO3	95.00	3.00	65.18
CO4	78.44	2.20	56.42
CO5	77.33	2.20	56.68
CO6	91.67	3.00	55.08
Pharmaceutical Organic Chemistry IV P - [243P]			
CO1	96.62	3.00	78.13
CO2	91.56	2.73	73.07
CO3	98.24	3.00	75.99
CO4	98.24	3.00	75.99
CO5	98.24	3.00	75.99
CO6	89.55	2.64	73.67
Pharmaceutical Analysis-II - [244T]			
CO1	96.39	3.00	62.36
CO2	94.50	3.00	60.90
CO3	88.85	2.73	57.20
CO4	93.45	3.00	61.08
CO5	90.83	2.87	58.17
CO6	95.67	3.00	59.38
Pharmaceutical Analysis-II - [244P]			
CO1	85.27	2.43	70.66
CO2	85.59	2.54	71.47
CO3	87.42	2.48	73.96
CO4	89.99	2.68	73.25
CO5	89.34	2.80	74.09
CO6	91.45	2.70	73.08
Pharmacognosy&Phytochemistry - II- [245T]			
CO1	66.00	1.20	57.10
CO2	57.85	0.80	53.37
CO3	51.32	0.60	48.52
CO4	53.60	0.60	51.34
CO5	50.75	0.40	50.73
CO6	49.10	0.40	48.80

Pharmacognosy&Phytochemistry - II- [245P]			
CO1	86.63	2.42	69.37
CO2	92.90	2.87	71.93
CO3	92.90	2.87	71.93
CO4	87.48	2.64	68.05
CO5	92.90	2.87	71.93
CO6	91.72	2.72	71.84
Pharmaceutical Engineering - [246T]			
CO1	90.81	2.80	60.34
CO2	86.97	2.60	58.47
CO3	87.60	2.40	60.49
CO4	87.62	2.40	57.87
CO5	79.29	2.20	55.68
CO6	80.61	2.20	55.54
Industrial Pharmacy-I - [351T]			
CO1	82.42	2.47	58.59
CO2	84.96	2.60	59.74
CO3	84.36	2.60	60.29
CO4	77.21	2.20	56.45
CO5	90.38	3.00	61.69
CO6	79.66	2.33	57.18
Industrial Pharmacy-I - [351P]			
CO1	89.34	2.64	69.28
CO2	84.88	2.60	66.40
CO3	88.79	2.60	71.01
CO4	87.29	2.56	68.62
CO5	92.15	2.82	71.09
CO6	83.94	2.51	64.26
Pharmaceutical Analysis III T - [352T]			
CO1	96.92	3.00	64.99
CO2	88.86	2.73	63.22
CO3	93.97	3.00	64.33
CO4	94.18	3.00	63.49
CO5	91.09	2.80	61.94
CO6	96.95	3.00	65.13
Pharmaceutical Analysis-IIIP [352P]			
CO1	89.51	2.76	74.07
CO2	85.96	2.64	73.40
CO3	83.71	2.64	73.56
CO4	88.05	2.76	74.57
CO5	88.83	2.76	74.03
CO6	85.26	2.52	71.67
Medicinal Chemistry I T - [353T]			
CO1	87.62	2.40	64.00
CO2	98.03	3.00	67.31
CO3	88.56	2.73	62.92
CO4	89.39	2.87	65.09
CO5	89.11	2.73	63.49
CO6	88.46	2.60	65.46
Medicinal Chemistry I P - [353P]			

CO1	90.72	2.70	75.11
CO2	96.53	3.00	77.80
CO3	93.81	2.83	75.54
CO4	95.17	3.00	76.86
CO5	86.44	2.60	71.58
CO6	90.48	2.78	73.72
Pharmacology-II T - [354T]			
CO1	91.01	2.73	63.66
CO2	89.84	2.60	64.24
CO3	95.70	3.00	64.68
CO4	89.27	2.60	64.15
CO5	84.51	2.33	60.60
CO6	87.55	2.40	61.87
Pharmacology-II P - [354P]			
CO1	92.19	2.82	72.96
CO2	86.53	2.56	68.52
CO3	88.84	2.60	70.07
CO4	92.11	2.80	72.53
CO5	87.36	2.51	69.34
CO6	87.79	2.60	69.72
Analytical Pharmacognosy and Extraction Technology P - [355P]			
CO1	92.78	2.80	71.22
CO2	95.24	3.00	72.46
CO3	91.56	2.70	70.65
CO4	91.02	2.83	71.47
CO5	97.22	3.00	73.16
CO6	91.28	2.75	70.42
Analytical Pharmacognosy and Extraction Technology T - [355T]			
CO1	90.80	2.60	61.87
CO2	91.49	2.60	60.46
CO3	89.64	2.60	59.42
CO4	83.91	2.47	57.84
CO5	94.16	3.00	63.00
CO6	81.34	2.40	54.87
Pharmaceutical Business Management & Disaster Management - [356T]			
CO1	97.09	3.00	73.91
CO2	94.69	3.00	66.88
CO3	95.35	3.00	68.27
CO4	92.16	3.00	67.91
CO5	94.59	3.00	66.58
CO6	95.54	3.00	72.74
Active Pharmaceutical Ingredients Technology- [357T]			
CO1	95.88	3.00	57.51
CO2	89.36	2.73	54.62
CO3	99.23	3.00	62.22
CO4	95.44	3.00	58.34
CO5	94.89	2.87	57.25
CO6	96.24	3.00	58.20
Industrial Pharmacy-II - [361T]			
CO1	99.34	3.00	70.88

CO2	99.34	3.00	70.88
CO3	99.34	3.00	70.88
CO4	99.34	3.00	70.88
CO5	99.34	3.00	70.88
CO6	99.34	3.00	70.88
Industrial Pharmacy-II - [361P]			
CO1	100.00	3.00	82.20
CO2	100.00	3.00	82.20
CO3	100.00	3.00	82.20
CO4	100.00	3.00	82.20
CO5	100.00	3.00	82.20
CO6	100.00	3.00	82.20
Pharmaceutical Analysis-IV - [362P]			
CO1	100.00	3.00	86.00
CO2	100.00	3.00	86.00
CO3	100.00	3.00	86.00
CO4	100.00	3.00	86.00
CO5	100.00	3.00	86.00
CO6	100.00	3.00	86.00
Pharmaceutical Analysis IV T - [362T]			
CO1	100.00	3.00	73.54
CO2	100.00	3.00	73.54
CO3	100.00	3.00	73.54
CO4	100.00	3.00	73.54
CO5	100.00	3.00	73.54
CO6	100.00	3.00	73.54
Medicinal Chemistry II T - [363T]			
CO1	100.00	3.00	74.65
CO2	100.00	3.00	74.65
CO3	100.00	3.00	74.65
CO4	100.00	3.00	74.65
CO5	100.00	3.00	74.65
CO6	100.00	3.00	74.65
Medicinal Chemistry II P - [363P]			
CO1	100.00	3.00	82.32
CO2	100.00	3.00	82.32
CO3	100.00	3.00	82.32
CO4	100.00	3.00	82.32
CO5	100.00	3.00	82.32
CO6	100.00	3.00	82.32
Pharmacology-III T - [364T]			
CO1	99.67	3.00	72.50
CO2	99.67	3.00	72.50
CO3	99.67	3.00	72.50
CO4	99.67	3.00	72.50
CO5	99.67	3.00	72.50
CO6	99.67	3.00	72.50
Pharmacology-III P - [364P]			
CO1	100.00	3.00	81.99
CO2	100.00	3.00	81.99

CO3	100.00	3.00	81.99
CO4	100.00	3.00	81.99
CO5	100.00	3.00	81.99
CO6	100.00	3.00	81.99
Natural Product Chemistry(P) - [365P]			
CO1	100.00	3.00	75.31
CO2	100.00	3.00	75.31
CO3	100.00	3.00	75.31
CO4	100.00	3.00	75.31
CO5	100.00	3.00	75.31
CO6	100.00	3.00	75.31
Natural Product Chemistry(T) - [365T]			
CO1	94.75	3.00	69.75
CO2	94.75	3.00	69.75
CO3	94.75	3.00	69.75
CO4	94.75	3.00	69.75
CO5	94.75	3.00	69.75
CO6	94.75	3.00	69.75
Bioorganic Chemistry and Drug Design - [366T]			
CO1	100.00	3.00	78.35
CO2	100.00	3.00	78.35
CO3	100.00	3.00	78.35
CO4	100.00	3.00	78.35
CO5	100.00	3.00	78.35
CO6	100.00	3.00	78.35
Pharmaceutical Biotechnology T - [367T]			
CO1	100.00	3.00	62.08
CO2	100.00	3.00	62.08
CO3	100.00	3.00	62.08
CO4	100.00	3.00	62.08
CO5	100.00	3.00	62.08
CO6	100.00	3.00	62.08
Sterile Products - [471]			
CO1	97.05	3.00	67.83
CO2	97.05	3.00	67.83
CO3	97.05	3.00	67.83
CO4	97.05	3.00	67.83
CO5	97.05	3.00	67.83
CO6	97.05	3.00	67.83
Sterile Products Practical - [471P]			
CO1	87.36	2.51	72.36
CO2	85.50	2.47	70.48
CO3	88.49	2.55	73.37
CO4	87.70	2.60	72.78
CO5	91.64	2.73	74.67
CO6	91.75	2.73	74.83
Pharmaceutical Analysis-VP - [472P]			
CO1	100.00	3.00	75.35
CO2	100.00	3.00	75.35
CO3	100.00	3.00	75.35

CO4	100.00	3.00	75.35
CO5	100.00	3.00	75.35
CO6	100.00	3.00	75.35
Pharmaceutical Analysis-VT - [472T]			
CO1	99.34	3.00	75.53
CO2	99.34	3.00	75.53
CO3	99.34	3.00	75.53
CO4	99.34	3.00	75.53
CO5	99.34	3.00	75.53
CO6	99.34	3.00	75.53
Medicinal Chemistry-III - [473T]			
CO1	98.36	3.00	77.86
CO2	98.36	3.00	77.86
CO3	98.36	3.00	77.86
CO4	98.36	3.00	77.86
CO5	98.36	3.00	77.86
CO6	98.36	3.00	77.86
Medicinal Chemistry-IIIP - [473P]			
CO1	93.91	2.88	82.42
CO2	90.54	2.75	80.58
CO3	90.42	2.70	80.17
CO4	89.09	2.65	79.80
CO5	91.73	2.77	80.08
CO6	90.57	2.70	80.23
Pharmacology-IV P - [474P]			
CO1	90.09	2.60	74.23
CO2	88.60	2.56	73.77
CO3	89.33	2.60	73.90
CO4	98.71	3.00	78.22
CO5	98.71	3.00	78.22
CO6	98.71	3.00	78.22
Pharmacology-IV T - [474T]			
CO1	94.76	3.00	72.89
CO2	94.76	3.00	72.89
CO3	94.76	3.00	72.89
CO4	94.76	3.00	72.89
CO5	94.76	3.00	72.89
CO6	94.76	3.00	72.89
Natural Drug Technology T - [475T]			
CO1	100.00	3.00	83.86
CO2	100.00	3.00	83.86
CO3	100.00	3.00	83.86
CO4	100.00	3.00	83.86
CO5	100.00	3.00	83.86
CO6	100.00	3.00	83.86
Natural Drug Technology (P) - [475P]			
CO1	92.82	2.87	76.40
CO2	93.96	2.91	76.57
CO3	94.93	2.95	77.44
CO4	98.90	3.00	77.94

CO5	99.73	3.00	77.43
CO6	99.68	3.00	77.66
Bio-Pharmaceutics & Pharmacokinetics- [476T]			
CO1	95.74	3.00	73.21
CO2	95.74	3.00	73.21
CO3	95.74	3.00	73.21
CO4	95.74	3.00	73.21
CO5	95.74	3.00	73.21
CO6	95.74	3.00	73.21
Pharmaceutical Jurisprudence - [477T]			
CO1	99.34	3.00	78.88
CO2	99.34	3.00	78.88
CO3	99.34	3.00	78.88
CO4	99.34	3.00	78.88
CO5	99.34	3.00	78.88
CO6	99.34	3.00	78.88
Advanced Drug Delivery System - [481]			
CO1	97.05	3.00	71.95
CO2	97.05	3.00	71.95
CO3	97.05	3.00	71.95
CO4	97.05	3.00	71.95
CO5	97.05	3.00	71.95
CO6	97.05	3.00	71.95
Advanced Drug Delivery System Practical - [481P]			
CO1	100.00	3.00	78.76
CO2	100.00	3.00	78.76
CO3	100.00	3.00	78.76
CO4	100.00	3.00	78.76
CO5	100.00	3.00	78.76
Cosmetic Science T - [482T]			
CO1	100.00	3.00	79.29
CO2	100.00	3.00	79.29
CO3	100.00	3.00	79.29
CO4	100.00	3.00	79.29
CO5	100.00	3.00	79.29
CO6	100.00	3.00	79.29
Cosmetic Science P - [482P]			
CO1	100.00	3.00	84.73
CO2	100.00	3.00	84.73
CO3	100.00	3.00	84.73
CO4	100.00	3.00	84.73
CO5	100.00	3.00	84.73
CO6	100.00	3.00	84.73
Pharmaceutical Analysis-VIT - [483T]			
CO1	100.00	3.00	79.48
CO2	100.00	3.00	79.48
CO3	100.00	3.00	79.48
CO4	100.00	3.00	79.48
CO5	100.00	3.00	79.48
CO6	100.00	3.00	79.48

Pharmaceutical Analysis-VI P - [483P]			
CO1	100.00	3.00	79.67
CO2	100.00	3.00	79.67
CO3	100.00	3.00	79.67
CO4	100.00	3.00	79.67
CO5	100.00	3.00	79.67
CO6	100.00	3.00	79.67
Medicinal Chemistry IV T - [484T]			
CO1	100.00	3.00	80.37
CO2	100.00	3.00	80.37
CO3	100.00	3.00	80.37
CO4	100.00	3.00	80.37
CO5	100.00	3.00	80.37
CO6	100.00	3.00	80.37
Medicinal Chemistry-IV P - [484P]			
CO1	100.00	3.00	85.85
CO2	100.00	3.00	85.85
CO3	100.00	3.00	85.85
CO4	100.00	3.00	85.85
CO5	100.00	3.00	85.85
CO6	100.00	3.00	85.85
Pharmacology V (Including biostatistics)T - [485T]			
CO1	95.74	3.00	71.84
CO2	95.74	3.00	71.84
CO3	95.74	3.00	71.84
CO4	95.74	3.00	71.84
CO5	95.74	3.00	71.84
CO6	91.48	3.00	67.31
Pharmacology V (Including biostatistics) P - [485P]			
CO1	100.00	3.00	80.69
CO2	100.00	3.00	80.69
CO3	100.00	3.00	80.69
CO4	100.00	3.00	80.69
CO5	100.00	3.00	80.69
CO6	100.00	3.00	80.69
Natural Products: Commerce Industry and Regulation – T [486T]			
CO1	99.34	3.00	74.99
CO2	99.34	3.00	74.99
CO3	99.34	3.00	74.99
CO4	99.34	3.00	74.99
CO5	99.34	3.00	74.99
CO6	99.34	3.00	74.99
Quality Assurance Technique - [487T]			
CO1	100.00	3.00	83.70
CO2	100.00	3.00	83.70
CO3	100.00	3.00	83.70
CO4	100.00	3.00	83.70
CO5	100.00	3.00	83.70
CO6	100.00	3.00	83.70

Table3.2.2.2.. Course Wise CO Attainment for 2016-20graduating batch

Course	Threshold based Attainment %	Attainment Level	Average Based Attainment %
Pharmaceutics-I T - [111T]			
CO1	53.80	1.60	47.07
CO2	69.21	2.00	54.71
CO3	61.21	1.60	50.13
CO4	59.77	1.60	48.82
CO5	59.73	1.80	51.78
CO6	59.17	1.80	49.61
Pharmaceutics-I P - [111P]			
CO1	95.78	3.00	77.28
CO2	99.05	3.00	79.32
CO3	99.05	3.00	79.32
CO4	99.05	3.00	79.32
CO5	99.05	3.00	79.32
CO6	99.05	3.00	79.32
Modern Dispensing Practices T - [112T]			
CO1	87.81	3.00	63.45
CO2	92.63	3.00	65.28
CO3	74.62	2.47	57.76
CO4	74.85	2.47	55.56
CO5	92.63	3.00	65.28
CO6	73.03	2.33	54.93
Modern Dispensing Practices P - [112P]			
CO1	93.98	3.00	77.77
CO2	98.02	3.00	77.46
CO3	98.17	3.00	79.14
CO4	97.95	3.00	78.19
CO5	96.82	3.00	77.96
CO6	97.95	3.00	78.19
Pharmaceutical Inorganic Chemistry I T - [113T]			
CO1	88.59	3.00	57.59
CO2	78.94	2.60	53.11
CO3	76.92	2.47	53.08
CO4	78.37	2.40	54.01
CO5	74.74	2.40	54.67
CO6	74.58	2.40	53.59
Pharmaceutical Inorganic Chemistry I P - [113P]			
CO1	96.27	2.93	73.75
CO2	96.27	2.93	73.75
CO3	96.27	2.93	73.75
CO4	91.90	2.67	72.52
CO5	91.90	2.67	72.52
CO6	97.51	3.00	73.50
Pharmaceutical Organic Chemistry I T - [114T]			

CO1	85.00	3.00	61.99
CO2	85.00	3.00	61.99
CO3	77.73	2.80	61.67
CO4	77.58	2.80	61.93
CO5	68.54	2.20	55.17
CO6	75.07	2.73	57.93
Pharmaceutical Organic Chemistry I P - [114P]			
CO1	96.27	2.93	73.75
CO2	96.27	2.93	73.75
CO3	96.27	2.93	73.75
CO4	91.90	2.67	72.52
CO5	91.90	2.67	72.52
CO6	97.51	3.00	73.50
Human Anatomy and Physiology-I T - [115T]			
CO1	71.27	2.40	53.77
CO2	80.52	2.60	58.13
CO3	81.03	2.60	57.29
CO4	77.06	2.40	56.67
CO5	79.28	2.60	55.74
CO6	80.77	2.40	57.88
Communication and Soft Skill Development –T [116 T]			
CO1	76.74	2.33	55.86
CO2	76.74	2.33	55.86
CO3	75.39	2.33	54.57
CO4	75.39	2.33	54.57
CO5	75.74	2.33	54.81
CO6	75.74	2.33	54.81
Pharmaceutics-II - [121T]			
CO1	78.75	2.80	58.51
CO2	74.59	2.47	55.73
CO3	73.01	2.47	54.31
CO4	69.95	2.40	51.83
CO5	68.31	2.40	50.47
CO6	71.75	2.20	54.53
Dosage form Design T - [122T]			
CO1	69.15	2.60	50.73
CO2	68.66	2.47	51.02
CO3	68.98	2.60	50.92
CO4	68.72	2.47	50.86
CO5	61.13	2.20	44.17
CO6	61.13	2.20	44.17
Dosage form Design P - [122P]			
CO1	90.00	3.00	70.85
CO2	88.83	3.00	70.77
CO3	86.97	2.73	69.25
CO4	88.83	3.00	70.77
CO5	90.14	3.00	71.24

CO6	88.83	3.00	70.77
Pharmaceutical Organic Chemistry II T - [123T]			
CO1	63.52	1.60	55.42
CO2	63.52	1.60	55.42
CO3	60.40	1.40	53.06
CO4	60.70	1.53	52.94
CO5	62.07	1.67	54.05
CO6	59.77	1.40	52.59
Pharmaceutical Organic Chemistry II P - [123P]			
CO1	96.06	3.00	78.40
CO2	96.06	3.00	78.40
CO3	98.62	3.00	78.54
CO4	98.62	3.00	78.54
CO5	99.08	3.00	78.02
CO6	99.08	3.00	78.02
Human Anatomy and Physiology-II T - [124T]			
CO1	82.22	3.00	61.98
CO2	68.86	2.40	55.22
CO3	68.89	2.40	53.49
CO4	65.01	2.40	52.49
CO5	69.70	2.47	53.93
CO6	63.48	2.20	49.44
Human Anatomy and Physiology-II P - [124P]			
CO1	96.57	3.00	73.62
CO2	95.46	3.00	73.22
CO3	96.57	3.00	73.62
CO4	97.72	3.00	73.42
CO5	96.57	3.00	73.62
CO6	96.57	3.00	73.62
Pharmacognosy T - [125T]			
CO1	98.48	3.00	66.27
CO2	95.93	3.00	62.81
CO3	96.93	3.00	64.54
CO4	98.95	3.00	66.54
CO5	98.95	3.00	66.54
CO6	96.34	3.00	61.24
Pharmacognosy P - [125P]			
CO1	99.37	3.00	76.73
CO2	99.23	3.00	77.05
CO3	99.37	3.00	76.73
CO4	99.37	3.00	76.73
CO5	99.23	3.00	77.05
CO6	98.85	3.00	76.77
Pharmaceutical Analysis I T - [126T]			
CO1	94.01	3.00	60.89
CO2	97.35	3.00	62.21
CO3	95.21	3.00	62.10

CO4	97.26	3.00	62.77
CO5	98.00	3.00	64.53
CO6	94.50	3.00	59.48
Pharmaceutical Analysis I P - [126P]			
CO1	99.83	3.00	76.06
CO2	99.83	3.00	76.06
CO3	99.89	3.00	76.00
CO4	98.23	3.00	75.92
CO5	97.74	3.00	75.78
CO6	99.83	3.00	76.06
Physical Pharmaceutics-I T - [231T]			
CO1	89.64	2.80	61.77
CO2	84.59	2.40	59.51
CO3	79.53	2.33	56.55
CO4	80.11	2.20	55.87
CO5	86.66	2.60	59.85
CO6	86.47	2.40	61.35
Physical Pharmaceutics-I P - [231P]			
CO1	89.26	2.69	74.97
CO2	90.49	2.65	74.27
CO3	87.23	2.70	71.89
CO4	89.05	2.65	73.85
CO5	84.80	2.56	71.20
CO6	91.66	2.77	75.53
Pharmaceutical Microbiology T - [232T]			
CO1	90.65	2.73	60.96
CO2	88.24	2.60	59.95
CO3	88.95	2.40	60.87
CO4	90.32	2.60	60.46
CO5	92.64	2.80	62.85
CO6	92.64	2.80	62.85
Pharmaceutical Microbiology P - [232P]			
CO1	85.70	2.50	69.15
CO2	84.51	2.53	68.12
CO3	91.50	2.80	71.37
CO4	88.06	2.60	69.53
CO5	92.22	2.87	71.59
CO6	85.20	2.44	68.10
Pharmaceutical Biochemistry T - [233T]			
CO1	89.60	2.80	58.43
CO2	85.92	2.73	54.93
CO3	83.30	2.40	55.75
CO4	83.67	2.40	56.33
CO5	84.17	2.60	55.23
CO6	95.84	3.00	59.87
Pharmaceutical Biochemistry P - [233P]			
CO1	89.01	2.64	67.47

CO2	92.14	2.75	67.20
CO3	92.96	2.75	67.44
CO4	91.93	2.75	66.91
CO5	92.50	2.83	66.66
CO6	89.97	2.73	66.33
Pharmaceutical Organic Chemistry III T - [234T]			
CO1	80.93	2.40	56.71
CO2	78.19	2.20	53.65
CO3	76.75	2.40	55.03
CO4	80.94	2.33	56.99
CO5	75.04	2.20	53.82
CO6	80.48	2.40	56.48
Pharmaceutical organic chemistry-III P - [234P]			
CO1	93.14	2.87	72.55
CO2	99.30	3.00	73.14
CO3	99.30	3.00	73.14
CO4	99.30	3.00	73.14
CO5	99.30	3.00	73.14
CO6	91.19	2.64	71.43
Pharmacology – IT - [235 T]			
CO1	74.38	2.60	54.85
CO2	76.78	2.60	57.62
CO3	76.66	2.60	57.35
CO4	68.68	2.20	52.87
CO5	69.93	2.40	55.34
CO6	85.64	3.00	61.34
Pharmacognosy&Phytochemistry T - [236T]			
CO1	85.84	2.60	57.65
CO2	77.66	2.40	55.77
CO3	85.02	2.60	56.89
CO4	77.27	2.40	54.55
CO5	84.34	2.40	57.43
CO6	77.38	2.20	55.73
Pharmacognosy and Phytochemistry-I P - [236P]			
CO1	89.76	2.64	72.05
CO2	92.52	2.82	72.68
CO3	97.78	3.00	75.99
CO4	86.31	2.60	70.16
CO5	88.68	2.60	72.06
CO6	97.78	3.00	75.99
Physical Pharmaceutics-II T - [241T]			
CO1	76.14	2.40	52.56
CO2	76.82	2.20	55.41
CO3	77.51	2.40	54.46
CO4	81.04	2.40	56.81
CO5	84.69	2.60	58.98
CO6	84.17	2.60	56.97

Physical Pharmaceutics-II P - [241P]			
CO1	91.64	2.83	71.83
CO2	85.81	2.60	69.55
CO3	98.58	3.00	75.74
CO4	98.58	3.00	75.74
CO5	86.86	2.60	70.27
CO6	98.58	3.00	75.74
Pathophysiology and Clinical Biochemistry T - [242 T]			
CO1	80.11	2.60	57.41
CO2	79.09	2.60	57.30
CO3	75.71	2.40	54.66
CO4	71.34	2.47	53.84
CO5	72.94	2.47	53.57
CO6	88.86	3.00	60.86
Pathophysiology and Clinical Biochemistry P - [242 P]			
CO1	98.17	3.00	75.49
CO2	98.17	3.00	75.49
CO3	98.78	3.00	75.82
CO4	92.28	2.73	73.55
CO5	96.72	2.93	74.99
CO6	93.32	2.87	74.07
Pharmaceutical Organic chemistry-IV T - [243 T]			
CO1	73.27	2.20	53.55
CO2	72.17	2.33	51.62
CO3	81.81	2.80	61.80
CO4	72.27	2.20	53.29
CO5	88.17	3.00	61.24
CO6	83.00	3.00	62.31
Pharmaceutical Organic chemistry-IV P - [243P]			
CO1	93.27	2.88	68.94
CO2	88.64	2.64	66.45
CO3	94.94	3.00	68.26
CO4	90.33	2.72	65.52
CO5	94.94	3.00	68.26
CO6	89.83	2.64	67.88
Pharmaceutical Analysis-II T - [244 T]			
CO1	89.23	3.00	57.47
CO2	89.10	3.00	57.44
CO3	85.92	2.73	56.76
CO4	84.14	2.60	56.55
CO5	92.08	3.00	59.24
CO6	94.44	3.00	59.20
Pharmaceutical Analysis-II P - [244 P]			
CO1	90.01	2.70	67.42
CO2	88.90	2.60	67.34
CO3	93.46	2.83	68.13
CO4	91.51	2.70	67.54

CO5	90.00	2.70	67.36
CO6	94.66	2.83	68.04
Pharmacognosy&Phytochemistry-II - [245T]			
CO1	98.33	3.00	62.11
CO2	92.43	3.00	56.95
CO3	89.21	2.60	55.32
CO4	98.33	3.00	62.11
CO5	90.71	2.73	55.73
CO6	98.33	3.00	58.04
Pharmacognosy and Phytochemistry-II P - [245P]			
CO1	96.94	3.00	77.47
CO2	96.20	3.00	75.62
CO3	93.81	2.94	74.65
CO4	94.07	2.95	74.74
CO5	95.14	3.00	75.22
CO6	96.72	3.00	78.77
Pharmaceutical Engineering- T - [246T]			
CO1	79.52	2.73	58.96
CO2	82.41	3.00	59.21
CO3	79.68	2.60	59.48
CO4	78.24	2.73	58.38
CO5	85.09	3.00	61.44
CO6	81.50	2.80	58.56
Industrial Pharmacy-I T - [351T]			
CO1	81.66	2.20	56.46
CO2	81.12	2.40	50.83
CO3	84.54	2.40	57.83
CO4	81.52	2.20	55.12
CO5	80.70	2.20	53.79
CO6	84.10	2.40	56.03
Industrial Pharmacy-I P - [351P]			
CO1	87.82	2.60	63.02
CO2	86.64	2.56	63.70
CO3	87.92	2.60	66.24
CO4	84.46	2.42	62.13
CO5	94.17	2.83	67.44
CO6	84.79	2.47	61.56
Pharmaceutical analysis III T - [352T]			
CO1	75.06	2.60	53.69
CO2	77.20	3.00	53.47
CO3	85.00	3.00	54.77
CO4	70.60	2.33	51.35
CO5	85.00	3.00	54.77
CO6	75.36	2.60	54.13
Pharmaceutical Analysis-III P - [352P]			
CO1	92.56	2.73	70.90
CO2	82.90	2.35	64.56

CO3	90.16	2.60	69.53
CO4	85.71	2.45	66.73
CO5	84.18	2.42	66.11
CO6	84.22	2.38	64.86
Medicinal Chemistry I T - [353T]			
CO1	63.29	2.20	50.86
CO2	66.20	2.40	53.09
CO3	70.58	2.60	53.14
CO4	74.86	2.60	57.23
CO5	71.14	2.40	54.47
CO6	68.11	2.40	51.07
Medicinal Chemistry I P - [353 P]			
CO1	96.62	3.00	74.74
CO2	96.62	3.00	74.74
CO3	96.62	3.00	74.74
CO4	96.62	3.00	74.74
CO5	87.35	2.60	69.67
CO6	85.68	2.51	67.85
Pharmacology-II T - [354T]			
CO1	87.65	3.00	61.77
CO2	74.43	2.60	56.30
CO3	76.71	2.40	56.52
CO4	74.69	2.40	55.95
CO5	65.41	2.20	49.56
CO6	68.83	2.40	51.90
Pharmacology-II P - [354P]			
0	87.96	2.60	68.39
CO2	98.12	3.00	74.63
CO3	98.12	3.00	74.63
CO4	94.99	2.87	73.56
CO5	96.67	3.00	73.80
CO6	89.48	2.70	70.13
Analytical Pharmacognosy and Extraction Technology (T) - [355T]			
CO1	95.47	3.00	65.67
CO2	98.82	3.00	64.26
CO3	90.48	2.73	61.15
CO4	87.80	2.47	59.51
CO5	94.82	3.00	64.35
CO6	89.17	2.40	59.70
Analytical Pharmacognosy and Extraction Technology(P) - [355P]			
CO1	98.00	2.95	74.76
CO2	92.92	2.64	72.55
CO3	89.59	2.60	71.88
CO4	86.04	2.51	69.71
CO5	90.51	2.70	69.94
CO6	93.32	2.75	72.99
Pharmaceutical Business Management & Disaster Management - [356T]			

CO1	92.51	3.00	60.64
CO2	87.88	2.60	57.71
CO3	84.62	2.40	57.44
CO4	77.31	2.40	51.11
CO5	88.38	2.60	58.91
CO6	97.31	3.00	64.77
Advanced Pharmaceutical Ingredients and Technology - [357T]			
CO1	96.47	3.00	64.62
CO2	93.80	3.00	62.12
CO3	94.80	3.00	61.56
CO4	88.91	2.87	59.63
CO5	95.76	3.00	64.99
CO6	94.75	3.00	61.96
Industrial Pharmacy-II T - [361T]			
CO1	90.96	2.60	57.69
CO2	87.14	2.47	55.75
CO3	88.76	2.40	57.45
CO4	88.80	2.40	57.59
CO5	84.94	2.33	54.29
CO6	81.17	2.20	53.58
Industrial Pharmacy-II P - [361P]			
CO1	86.78	2.56	67.96
CO2	96.62	3.00	74.64
CO3	91.03	2.73	71.40
CO4	89.70	2.73	70.10
CO5	85.31	2.38	67.62
CO6	95.49	3.00	73.14
Pharmaceutical Analysis-IV - [362T]			
CO1	98.94	3.00	62.51
CO2	97.14	3.00	63.01
CO3	92.76	2.60	60.29
CO4	99.38	3.00	62.21
CO5	96.43	3.00	56.76
CO6	95.15	2.87	58.89
Pharmaceutical Analysis-IVP - [362P]			
CO1	95.28	2.93	74.68
CO2	94.08	2.80	74.00
CO3	87.19	2.45	70.16
CO4	86.88	2.55	69.20
CO5	93.38	2.88	72.98
CO6	95.93	3.00	75.06
Medicinal Chemistry II T - [363T]			
CO1	83.47	2.60	65.11
CO2	77.10	2.33	59.93
CO3	88.50	3.00	65.84
CO4	79.91	2.47	60.72
CO5	79.76	2.40	61.51

CO6	79.90	2.40	59.34
Medicinal Chemistry II P - [363P]			
CO1	93.43	2.83	72.33
CO2	96.03	3.00	75.72
CO3	96.03	3.00	75.72
CO4	95.36	3.00	73.94
CO5	91.52	2.73	70.44
CO6	95.40	3.00	74.85
Pharmacology-III T - [364T]			
CO1	93.68	3.00	62.39
CO2	92.16	2.87	62.08
CO3	90.46	2.80	62.58
CO4	87.07	2.60	58.59
CO5	83.90	2.40	58.44
CO6	85.68	2.40	58.99
Pharmacology-III P - [364P]			
CO1	94.25	2.88	73.17
CO2	94.73	2.95	72.85
CO3	91.62	2.83	71.94
CO4	91.60	2.77	71.95
CO5	96.61	2.93	73.33
CO6	91.14	2.69	70.50
Natural Product Chemistry (T) - [365T]			
CO1	83.89	2.33	59.29
CO2	97.57	3.00	66.01
CO3	84.69	2.40	62.58
CO4	88.53	2.60	60.85
CO5	85.32	2.40	62.91
CO6	86.76	2.47	59.66
Natural Product Chemistry (P) - [365P]			
CO1	97.06	3.00	72.02
CO2	97.78	3.00	71.53
CO3	97.48	3.00	72.55
CO4	97.79	3.00	72.47
CO5	97.82	3.00	72.89
CO6	96.38	3.00	71.27
Bio-Organic Chemistry and Drug Design (T) - [366 T]			
CO1	84.48	2.80	57.39
CO2	80.89	2.60	55.09
CO3	87.36	3.00	58.05
CO4	75.40	2.20	54.44
CO5	91.17	3.00	59.51
CO6	80.31	2.60	55.66
Pharmaceutical Biotechnology T - [367 T]			
CO1	84.97	2.55	54.26
CO2	86.75	2.55	54.72
CO3	83.88	2.55	53.92

CO4	87.48	2.55	54.74
CO5	86.13	2.55	54.73
CO6	82.73	2.40	52.67
Sterile Products (T) - [471]			
CO1	88.68	2.60	60.49
CO2	91.53	2.80	60.27
CO3	90.85	2.80	60.33
CO4	90.19	2.87	60.59
CO5	88.15	2.60	59.31
CO6	89.87	2.87	60.27
Sterile Products (P) - [471P]			
CO1	83.95	2.51	67.17
CO2	90.21	2.66	70.89
CO3	92.53	2.83	72.03
CO4	88.56	2.66	68.49
CO5	86.35	2.51	68.85
CO6	90.08	2.66	70.45
Pharmaceutical Analysis –V T - [472T]			
CO1	92.05	2.80	61.88
CO2	94.25	3.00	60.27
CO3	90.95	2.87	58.08
CO4	93.15	3.00	60.85
CO5	97.98	3.00	63.37
CO6	89.80	2.60	60.11
Pharmaceutical Analysis –V P - [472P]			
CO1	94.19	2.88	72.76
CO2	94.19	2.88	72.76
CO3	91.23	2.54	70.98
CO4	92.04	2.66	71.76
CO5	93.22	2.69	71.60
CO6	94.63	2.88	73.22
Medicinal chemistry III T - [473]			
CO1	86.42	2.40	57.73
CO2	86.42	2.40	57.73
CO3	80.32	2.20	54.31
CO4	79.54	2.20	54.18
CO5	81.76	2.20	56.20
CO6	86.42	2.40	57.73
Medicinal chemistry III P - [473P]			
CO1	95.44	2.94	76.49
CO2	95.44	2.94	76.65
CO3	92.98	2.77	75.54
CO4	95.17	2.94	76.31
CO5	93.84	2.83	75.52
CO6	95.76	2.94	76.80
Pharmacology IV T - [474T]			
CO1	81.37	2.40	59.39

CO2	88.29	2.73	61.21
CO3	91.45	3.00	61.64
CO4	82.79	2.40	62.06
CO5	86.93	2.40	61.89
CO6	78.21	2.40	59.80
Pharmacology IV P - [474P]			
CO1	96.49	3.00	75.73
CO2	98.24	3.00	76.33
CO3	86.00	2.60	70.86
CO4	85.52	2.56	70.17
CO5	88.68	2.70	71.22
CO6	89.14	2.70	71.67
Natural Drug Technology (T) - [475T]			
CO1	87.09	2.60	58.65
CO2	82.97	2.33	58.43
CO3	94.84	3.00	62.79
CO4	90.51	2.80	61.86
CO5	87.55	2.40	61.54
CO6	87.66	2.60	58.92
Natural Drug Technology (P) - [475P]			
CO1	87.33	2.64	72.05
CO2	97.62	3.00	75.89
CO3	94.34	2.88	74.75
CO4	96.72	3.00	75.73
CO5	91.70	2.73	74.13
CO6	87.09	2.70	72.04
Biopharmaceutics and Pharmacokinetics-T - [476T]			
CO1	87.96	2.60	61.22
CO2	87.17	2.40	61.80
CO3	86.33	2.40	60.28
CO4	85.35	2.33	59.54
CO5	86.49	2.40	62.00
CO6	80.67	2.20	57.22
Pharmaceutical Jurisprudence - [477T]			
CO1	92.26	2.73	59.38
CO2	95.83	3.00	63.22
CO3	89.74	2.60	59.07
CO4	89.90	2.60	58.54
CO5	91.43	2.60	59.61
CO6	95.68	3.00	60.10
Advanced Drug Delivery System Theory - [481T]			
CO1	96.17	3.00	66.59
CO2	96.17	3.00	66.59
CO3	96.17	3.00	66.59
CO4	96.17	3.00	66.59
CO5	96.17	3.00	66.59
CO6	96.17	3.00	66.59

Advanced Drug Delivery System P- [481P]			
CO1	100.00	3.00	78.65
CO2	100.00	3.00	78.65
CO3	100.00	3.00	78.65
CO4	100.00	3.00	78.65
CO5	100.00	3.00	78.65
Cosmetic Science T - [482T]			
CO1	99.70	3.00	75.74
CO2	99.70	3.00	75.74
CO3	99.70	3.00	75.74
CO4	99.70	3.00	75.74
CO5	99.70	3.00	75.74
CO6	99.70	3.00	75.74
Cosmetic Science P - [482P]			
CO1	100.00	3.00	80.19
CO2	100.00	3.00	80.19
CO3	100.00	3.00	80.19
CO4	100.00	3.00	80.19
CO5	100.00	3.00	80.19
CO6	100.00	3.00	80.19
Pharmaceutical Analysis-VI T - [483T]			
CO1	100.00	3.00	78.79
CO2	100.00	3.00	78.79
CO3	100.00	3.00	78.79
CO4	100.00	3.00	78.79
CO5	100.00	3.00	78.79
CO6	100.00	3.00	78.79
Pharmaceutical Analysis-VI P - [483P]			
CO1	100.00	3.00	83.42
CO2	100.00	3.00	83.42
CO3	100.00	3.00	83.42
CO4	100.00	3.00	83.42
CO5	100.00	3.00	83.42
CO6	100.00	3.00	83.42
Medicinal Chemistry IV T - [484T]			
CO1	99.12	3.00	78.02
CO2	99.12	3.00	78.02
CO3	99.12	3.00	78.02
CO4	99.12	3.00	78.02
CO5	99.12	3.00	78.02
CO6	99.12	3.00	78.02
Medicinal Chemistry-IV - [484P]			
CO1	100.00	3.00	89.71
CO2	100.00	3.00	89.71
CO3	100.00	3.00	89.71
CO4	100.00	3.00	89.71
CO5	100.00	3.00	89.71

CO6	100.00	3.00	89.71
Pharmacology V (Including biostatistics)T - [485T]			
CO1	100.00	3.00	81.02
CO2	100.00	3.00	81.02
CO3	100.00	3.00	81.02
CO4	100.00	3.00	81.02
CO5	100.00	3.00	81.02
CO6	100.00	3.00	81.02
Pharmacology V (Including biostatistics) P - [485P]			
CO1	100.00	3.00	77.88
CO2	100.00	3.00	77.88
CO3	100.00	3.00	77.88
CO4	100.00	3.00	77.88
CO5	100.00	3.00	77.88
CO6	100.00	3.00	77.88
Natural Products: Commerce, Industry and Regulation - [486T]			
CO1	100.00	3.00	81.06
CO2	100.00	3.00	81.06
CO3	100.00	3.00	81.06
CO4	100.00	3.00	81.06
CO5	100.00	3.00	81.06
CO6	100.00	3.00	81.06
Quality Assurance Techniques - [487T]			
CO1	100.00	3.00	82.75
CO2	100.00	3.00	82.75
CO3	100.00	3.00	82.75
CO4	100.00	3.00	82.75
CO5	100.00	3.00	82.75
CO6	100.00	3.00	82.75

Table 3.2.2.3 Course Wise CO Attainment for 2015-19 graduating batch

Course	Threshold based Attainment %	Attainment Level	Average Based Attainment %
Pharmaceutics-I P - [111P]			
CO1	82.72	2.43	62.88
CO2	84.99	2.37	63.40
CO3	84.42	2.45	62.92
CO4	89.57	2.65	68.88
CO5	97.56	3.00	71.87
CO6	87.50	2.52	65.49
Pharmaceutics-I T - [111T]			
CO1	74.24	2.25	49.33
CO2	63.62	1.75	40.94
CO3	77.78	2.66	49.49
CO4	55.35	1.50	35.65
CO5	51.83	1.50	34.42
CO6	69.46	2.33	43.85
Modern Dispensing Practices P - [112P]			
CO1	90.96	2.93	66.49
CO2	91.33	3.00	65.76
CO3	85.92	2.53	59.81
CO4	91.94	3.00	64.57
CO5	88.50	2.76	64.32
CO6	85.77	2.60	61.01
Modern Dispensing Practices T - [112T]			
CO1	93.12	3.00	52.95
CO2	75.62	1.80	47.24
CO3	93.50	3.00	54.64
CO4	91.93	3.00	55.27
CO5	84.19	2.60	48.47
CO6	84.40	2.60	47.91
Pharmaceutical inorganic chemistry P - [113P]			
CO1	91.94	2.82	59.22
CO2	95.30	2.95	61.66
CO3	94.14	2.88	59.95
CO4	93.57	2.87	56.21
CO5	94.58	2.80	58.89
CO6	90.73	2.73	59.91
Pharmaceutical Inorganic Chemistry T - [113T]			
CO1	73.33	3.00	46.44
CO2	78.29	3.00	51.19
CO3	78.29	3.00	50.62
CO4	77.73	3.00	50.50
CO5	77.18	3.00	52.86
CO6	75.82	3.00	50.43
Pharmaceutical Organic Chemistry I P - [114P]			

CO1	84.78	2.52	61.24
CO2	94.98	3.00	71.01
CO3	94.98	3.00	71.01
CO4	89.84	2.93	61.04
CO5	91.51	2.87	65.64
CO6	89.08	2.76	64.62
Pharmaceutical organic chemistry I T - [114T]			
CO1	81.86	3.00	54.26
CO2	74.28	2.60	48.63
CO3	88.22	3.00	62.26
CO4	86.66	3.00	61.48
CO5	83.44	3.00	52.73
CO6	75.70	2.60	51.47
Human Anatomy and Physiology-IP - [115P]			
CO1	84.01	2.40	58.18
CO2	84.18	2.40	58.13
CO3	86.23	2.53	58.89
CO4	86.32	2.40	58.21
CO5	84.07	2.53	57.07
CO6	84.00	2.40	56.93
Human Anatomy and Physiology-1T - [115T]			
CO1	78.76	2.87	52.15
CO2	74.34	2.60	50.05
CO3	73.76	2.47	50.23
CO4	81.06	3.00	54.04
CO5	80.06	3.00	51.67
CO6	77.02	2.73	51.06
Communication and Soft Skill Development T - [116T]			
CO1	91.44	3.00	53.19
CO2	88.48	3.00	51.80
CO3	89.52	2.60	50.94
CO4	94.07	3.00	56.90
CO5	95.64	3.00	55.97
CO6	88.63	3.00	51.76
Pharmaceutics-II - [121T]			
CO1	90.34	3.00	59.49
CO2	88.26	3.00	56.01
CO3	80.11	2.47	52.66
CO4	77.64	2.33	51.88
CO5	83.31	2.60	53.67
CO6	85.11	2.87	53.62
Dosage Form Design P - [122P]			
CO1	98.61	3.00	73.98
CO2	99.33	3.00	73.97
CO3	99.44	3.00	73.98
CO4	97.56	3.00	72.79
CO5	97.11	3.00	72.25

CO6	99.33	3.00	74.10
Dosage Form Design T - [122T]			
CO1	83.06	2.60	54.09
CO2	91.58	3.00	62.38
CO3	71.52	2.00	45.86
CO4	88.62	3.00	58.77
CO5	77.52	2.60	48.70
CO6	82.51	2.60	52.85
Pharmaceutical organic chemistry II P - [123P]			
CO1	97.87	3.00	73.33
CO2	95.91	3.00	69.26
CO3	97.87	3.00	73.33
CO4	96.67	3.00	70.90
CO5	97.87	3.00	73.33
CO6	97.87	3.00	73.33
Pharmaceutical organic chemistry II T - [123T]			
CO1	75.29	2.13	52.24
CO2	79.09	2.40	55.78
CO3	78.65	2.40	54.34
CO4	78.67	2.40	55.68
CO5	75.39	2.40	52.34
CO6	80.10	2.40	55.68
Human Anatomy and Physiology-II P - [124P]			
CO1	97.82	3.00	70.14
CO2	96.06	2.93	68.39
CO3	97.82	3.00	70.14
CO4	98.55	3.00	69.79
CO5	97.82	3.00	70.14
CO6	94.61	2.87	67.43
Human Anatomy and Physiology-II T - [124T]			
CO1	88.42	3.00	59.75
CO2	79.16	2.87	53.35
CO3	82.71	3.00	54.78
CO4	83.41	3.00	54.24
CO5	78.71	2.60	54.02
CO6	75.36	2.47	51.47
Pharmacognosy P - [125P]			
CO1	96.40	3.00	65.35
CO2	94.53	2.87	63.24
CO3	92.60	2.82	61.77
CO4	96.22	3.00	66.46
CO5	97.45	3.00	67.35
CO6	91.89	2.85	63.19
Pharmacognosy T - [125T]			
CO1	90.91	3.00	60.62
CO2	82.49	2.60	53.30

CO3	74.58	2.20	49.62
CO4	70.18	2.20	47.37
CO5	79.61	2.40	52.62
CO6	86.21	2.80	55.03
Pharmaceutical Analysis I P - [126P]			
CO1	100.00	3.00	69.03
CO2	99.63	3.00	68.51
CO3	97.97	3.00	68.07
CO4	94.52	2.73	66.64
CO5	93.42	2.73	66.22
CO6	100.00	3.00	69.03
Pharmaceutical Analysis I T - [126T]			
CO1	88.86	3.00	56.79
CO2	89.36	3.00	55.08
CO3	86.14	3.00	56.32
CO4	88.33	3.00	56.37
CO5	87.39	3.00	55.67
CO6	87.51	3.00	57.33
Physical Pharmaceutics-I P - [231P]			
CO1	99.44	3.00	74.81
CO2	98.47	3.00	75.82
CO3	99.10	3.00	75.25
CO4	98.98	3.00	75.07
CO5	98.47	3.00	75.82
CO6	98.47	3.00	75.82
Physical Pharmaceutics-I T - [231T]			
CO1	89.79	2.87	57.37
CO2	90.43	3.00	58.14
CO3	87.36	2.73	56.15
CO4	90.16	3.00	58.62
CO5	86.46	2.80	56.61
CO6	92.87	3.00	61.08
Pharmaceutical Microbiology P - [232P]			
CO1	97.25	3.00	77.98
CO2	96.97	3.00	77.14
CO3	97.84	3.00	78.62
CO4	98.23	3.00	77.70
CO5	97.66	3.00	78.20
CO6	97.54	3.00	78.80
Pharmaceutical Microbiology T - [232T]			
CO1	93.46	2.73	61.94
CO2	98.12	3.00	65.90
CO3	94.62	3.00	62.08
CO4	93.96	2.87	61.86
CO5	98.99	3.00	66.19
CO6	98.26	3.00	65.89
Pharmaceutical BiochemistryP - [233P]			

CO1	99.34	3.00	70.20
CO2	99.78	3.00	69.52
CO3	99.54	3.00	69.38
CO4	99.86	3.00	68.86
CO5	99.86	3.00	69.30
CO6	99.86	3.00	68.86
Pharmaceutical Biochemistry T - [233T]			
CO1	91.98	2.60	55.94
CO2	92.76	2.73	56.24
CO3	93.29	2.73	56.74
CO4	89.36	2.40	55.43
CO5	92.73	2.80	57.49
CO6	100.00	3.00	60.53
Pharmaceutical organic chemistry- III P - [234P]			
CO1	93.70	2.93	67.25
CO2	93.38	2.87	67.22
CO3	93.38	2.87	67.22
CO4	93.38	2.87	67.22
CO5	93.38	2.87	67.22
CO6	91.94	2.80	65.11
Pharmaceutical organic chemistry III T - [234T]			
CO1	89.82	2.60	57.57
CO2	83.19	2.20	53.61
CO3	91.78	2.87	59.92
CO4	100.00	3.00	64.30
CO5	95.52	3.00	59.20
CO6	94.14	3.00	58.50
Pharmacology I - [235T]			
CO1	96.73	3.00	61.43
CO2	94.52	3.00	60.43
CO3	90.22	2.73	57.65
CO4	87.74	2.47	55.66
CO5	94.41	3.00	59.33
CO6	99.08	3.00	64.66
Pharmacognosy and Phytochemistry-I P - [236P]			
CO1	98.36	3.00	74.82
CO2	98.77	3.00	74.16
CO3	97.55	3.00	74.33
CO4	97.55	3.00	74.33
CO5	98.36	3.00	74.39
CO6	97.55	3.00	74.33
Pharmacognosy and Phytochemistry-I T - [236T]			
CO1	68.38	1.85	43.18
CO2	71.87	2.00	45.43
CO3	73.60	2.20	47.46
CO4	65.52	1.85	41.40

CO5	69.76	1.85	44.45
CO6	69.14	1.80	44.36
Physical Pharmaceutics-II P - [241P]			
CO1	98.14	3.00	76.92
CO2	98.25	3.00	75.53
CO3	97.67	3.00	76.82
CO4	98.14	3.00	76.50
CO5	98.44	3.00	76.67
CO6	97.67	3.00	76.82
Physical Pharmaceutics-II T - [241T]			
CO1	93.25	3.00	60.74
CO2	91.86	2.80	58.56
CO3	95.26	3.00	62.15
CO4	94.48	3.00	62.99
CO5	94.32	3.00	61.02
CO6	91.79	2.80	58.34
Pathophysiology and clinical Biochemistry P - [242P]			
CO1	99.21	3.00	73.59
CO2	99.21	3.00	73.59
CO3	99.37	3.00	73.92
CO4	99.40	3.00	71.86
CO5	99.21	3.00	72.90
CO6	99.42	3.00	72.58
Pathophysiology and clinical Biochemistry - [242T]			
CO1	90.00	2.60	53.22
CO2	90.34	2.60	52.81
CO3	97.14	3.00	55.18
CO4	92.94	2.73	52.80
CO5	94.80	3.00	54.40
CO6	96.86	3.00	53.86
Pharmaceutical organic chemistry-IV P - [243P]			
CO1	98.80	3.00	73.36
CO2	99.30	3.00	73.82
CO3	99.30	3.00	73.82
CO4	98.26	3.00	73.19
CO5	99.30	3.00	73.82
CO6	96.82	3.00	71.55
Pharmaceutical organic chemistry-IVT - [243T]			
CO1	92.24	2.80	66.96
CO2	89.81	2.60	65.55
CO3	90.80	2.60	66.57
CO4	96.69	3.00	70.94
CO5	100.00	3.00	74.81
CO6	82.88	2.47	64.23
Pharmaceutical Analysis-II P - [244P]			
CO1	99.49	3.00	70.28
CO2	99.13	3.00	69.78

CO3	99.62	3.00	70.49
CO4	99.72	3.00	70.89
CO5	99.58	3.00	69.91
CO6	99.50	3.00	70.06
PharmaceuticalAnalysis-IIT - [244T]			
CO1	93.69	3.00	57.30
CO2	93.81	3.00	57.39
CO3	94.63	3.00	57.96
CO4	99.09	3.00	61.52
CO5	95.09	3.00	58.89
CO6	99.09	3.00	61.52
Pharmacognosy and Phytochemistry-II P - [245P]			
CO1	99.58	3.00	74.54
CO2	99.29	3.00	73.99
CO3	99.39	3.00	74.56
CO4	99.29	3.00	74.36
CO5	99.29	3.00	74.36
CO6	98.82	3.00	73.86
Pharmacognosy and Phytochemistry-II T - [245T]			
CO1	78.13	2.30	52.92
CO2	70.74	2.00	47.26
CO3	78.13	2.30	48.97
CO4	78.13	2.30	52.92
CO5	72.14	2.00	47.09
CO6	74.38	2.30	48.19
Pharmaceutical Engineering- T - [246T]			
CO1	96.35	3.00	61.79
CO2	96.88	3.00	62.64
CO3	97.39	3.00	64.22
CO4	93.77	3.00	61.94
CO5	98.13	3.00	63.70
CO6	94.18	3.00	60.19
Industrial Pharmacy-I P - [351P]			
CO1	90.49	2.64	61.12
CO2	97.45	3.00	69.25
CO3	95.84	2.96	65.89
CO4	87.48	2.51	59.94
CO5	93.45	2.73	63.98
CO6	93.64	2.84	65.72
Industrial Pharmacy-I T - [351T]			
CO1	93.49	2.80	55.52
CO2	91.91	2.60	53.30
CO3	91.24	2.73	52.56
CO4	92.82	3.00	54.65
CO5	94.02	3.00	57.03
CO6	95.00	3.00	55.82

Pharmaceutical Analysis IIIP - [352P]			
CO1	97.67	3.00	71.69
CO2	97.62	3.00	70.12
CO3	96.90	3.00	70.78
CO4	97.00	3.00	70.57
CO5	97.31	3.00	70.40
CO6	97.03	3.00	69.46
Pharmaceutical Analysis-IIIT - [352T]			
CO1	100.00	3.00	62.93
CO2	88.26	2.60	55.34
CO3	94.40	3.00	56.77
CO4	89.72	2.60	54.77
CO5	99.65	3.00	59.76
CO6	92.67	2.80	56.84
Medicinal chemistry I P - [353P]			
CO1	96.75	3.00	74.95
CO2	96.75	3.00	74.95
CO3	96.75	3.00	74.95
CO4	96.75	3.00	74.95
CO5	93.65	2.87	71.18
CO6	93.44	2.87	70.04
Medicinal Chemistry I T - [353T]			
CO1	97.37	3.00	62.10
CO2	96.41	3.00	62.69
CO3	91.49	2.87	59.34
CO4	88.87	2.40	59.03
CO5	91.23	2.87	59.07
CO6	94.02	2.87	60.47
Pharmacology-II P - [354P]			
CO1	95.30	2.95	67.28
CO2	96.56	3.00	69.69
CO3	96.86	3.00	69.84
CO4	96.98	3.00	68.85
CO5	90.53	2.73	64.36
CO6	95.08	2.91	67.13
Pharmacology-II T - [354T]			
CO1	100.00	3.00	60.42
CO2	95.00	3.00	56.92
CO3	90.02	2.60	53.65
CO4	92.82	2.80	55.50
CO5	86.77	2.47	53.60
CO6	90.00	2.60	55.03
Analytical Pharmacognosy and Extraction Technology(P) - [355P]			
CO1	96.74	3.00	71.89
CO2	96.56	3.00	72.90
CO3	93.92	2.82	70.67
CO4	98.84	3.00	75.20

CO5	99.24	3.00	75.49
CO6	97.86	3.00	73.31
Analytical Pharmacognosy and Extraction Technology(T) - [355T]			
CO1	99.69	3.00	64.37
CO2	99.68	3.00	63.02
CO3	93.98	3.00	60.13
CO4	92.59	2.87	58.60
CO5	97.17	3.00	62.32
CO6	93.33	2.73	59.60
Pharmaceutical Business Management & Disaster Management - [356T]			
CO1	92.94	2.80	60.79
CO2	93.41	2.80	60.91
CO3	91.18	2.87	57.17
CO4	90.08	2.73	58.43
CO5	91.79	2.60	59.90
CO6	100.00	3.00	67.39
Active pharmaceutical ingredient and technology - [357T]			
CO1	98.41	3.00	59.14
CO2	93.33	2.80	56.92
CO3	99.49	3.00	64.23
CO4	99.70	3.00	61.50
CO5	97.47	3.00	59.82
CO6	99.12	3.00	62.98
Industrial Pharmacy-II P - [361P]			
CO1	87.18	2.51	61.92
CO2	92.19	2.85	67.39
CO3	89.99	2.69	65.15
CO4	91.95	2.70	66.77
CO5	87.77	2.60	61.89
CO6	97.17	3.00	70.43
Industrial Pharmacy-II T - [361T]			
CO1	83.83	2.73	49.50
CO2	88.10	3.00	55.00
CO3	76.54	2.33	46.64
CO4	81.20	2.60	46.83
CO5	87.44	3.00	51.69
CO6	77.97	2.47	47.03
Pharmaceutical Analysis IVP - [362P]			
CO1	98.07	3.00	69.80
CO2	96.27	3.00	67.10
CO3	98.55	3.00	70.33
CO4	97.48	3.00	66.87
CO5	96.32	3.00	67.47
CO6	96.99	3.00	68.88
Pharmaceutical Analysis IVT - [362T]			
CO1	91.91	2.87	57.02

CO2	93.52	2.87	56.82
CO3	100.00	3.00	64.41
CO4	99.05	3.00	60.73
CO5	96.96	3.00	59.82
CO6	95.62	3.00	57.69
Medicinal Chemistry II P - [363P]			
CO1	97.43	3.00	76.14
CO2	98.33	3.00	78.18
CO3	96.77	3.00	76.02
CO4	98.53	3.00	76.31
CO5	98.36	3.00	76.47
CO6	94.50	2.85	73.35
Medicinal Chemistry II T - [363T]			
CO1	87.65	2.40	59.22
CO2	98.28	3.00	66.51
CO3	95.55	3.00	62.21
CO4	96.86	3.00	64.52
CO5	92.99	2.87	61.67
CO6	94.76	3.00	62.06
Pharmacology-III P - [364P]			
CO1	94.00	2.87	68.72
CO2	96.36	2.95	69.91
CO3	99.36	3.00	73.47
CO4	99.04	3.00	73.81
CO5	99.04	3.00	73.81
CO6	97.74	3.00	71.45
Pharmacology-III T - [364T]			
CO1	97.77	3.00	61.06
CO2	91.32	2.73	58.26
CO3	97.57	3.00	63.63
CO4	97.22	3.00	60.00
CO5	94.95	3.00	59.03
CO6	83.68	2.60	49.90
Natural Product Chemistry(P) - [365P]			
CO1	97.44	3.00	73.11
CO2	96.83	2.96	73.12
CO3	95.88	2.91	72.51
CO4	99.48	3.00	76.18
CO5	99.22	3.00	75.69
CO6	98.77	3.00	74.31
Natural Product Chemistry (T) - [365T]			
CO1	88.81	2.60	56.94
CO2	100.00	3.00	65.59
CO3	97.22	3.00	60.06
CO4	95.68	3.00	59.51
CO5	98.89	3.00	61.32
CO6	94.70	2.87	59.97

BioorganicChemistry&DrugDesign - [366T]			
CO1	82.90	2.60	48.12
CO2	85.48	3.00	48.59
CO3	93.20	3.00	55.13
CO4	90.65	2.80	51.75
CO5	94.22	3.00	52.75
CO6	86.88	2.60	49.84
Biotechnology T - [367T]			
CO1	96.88	3.00	62.31
CO2	91.42	2.87	59.02
CO3	88.87	2.60	57.81
CO4	96.61	3.00	62.62
CO5	93.38	3.00	60.50
CO6	95.96	3.00	59.58
Sterile Products P - [471P]			
CO1	96.72	3.00	69.47
CO2	99.29	3.00	71.76
CO3	98.94	3.00	71.72
CO4	94.84	2.87	67.58
CO5	93.69	2.87	67.49
CO6	93.16	2.75	66.72
Sterile Products T - [471T]			
CO1	98.74	3.00	63.58
CO2	96.69	3.00	60.59
CO3	97.67	3.00	61.93
CO4	96.11	3.00	60.34
CO5	94.48	3.00	59.87
CO6	97.93	3.00	63.46
Pharmaceutical Analysis VP - [472P]			
CO1	95.76	2.88	70.72
CO2	98.39	3.00	71.23
CO3	96.59	2.95	69.49
CO4	97.37	3.00	71.10
CO5	96.44	3.00	69.18
CO6	98.42	3.00	71.24
Pharmaceutical Analysis VT - [472T]			
CO1	100.00	3.00	62.78
CO2	92.42	2.73	57.43
CO3	97.91	3.00	59.29
CO4	99.19	3.00	61.25
CO5	99.51	3.00	61.04
CO6	98.97	3.00	60.74
Medicinal chemistry III P - [473P]			
CO1	96.10	2.91	71.04
CO2	94.62	2.88	71.79
CO3	92.54	2.78	69.12

CO4	94.67	2.91	71.92
CO5	93.35	2.85	69.73
CO6	91.72	2.73	68.24
Medicinal chemistry III T - [473T]			
CO1	86.65	2.60	57.48
CO2	87.20	2.40	57.50
CO3	87.44	2.60	55.99
CO4	82.94	2.33	52.87
CO5	89.74	2.60	57.56
CO6	89.75	2.60	58.14
Pharmacology IV P - [474P]			
CO1	99.58	3.00	73.76
CO2	97.91	3.00	71.42
CO3	97.07	2.96	71.91
CO4	99.60	3.00	73.41
CO5	100.00	3.00	74.23
CO6	100.00	3.00	74.23
Pharmacology IV - [474T]			
CO1	100.00	3.00	68.23
CO2	96.34	3.00	61.52
CO3	97.03	3.00	61.63
CO4	94.12	3.00	61.25
CO5	88.73	2.40	60.71
CO6	100.00	3.00	68.23
Natural Drug Technology (P) - [475P]			
CO1	99.06	3.00	74.49
CO2	99.70	3.00	75.18
CO3	98.93	3.00	74.26
CO4	99.70	3.00	75.18
CO5	98.41	3.00	74.33
CO6	97.20	2.96	72.98
Natural Drug Technology(T) - [475T]			
CO1	97.75	3.00	69.65
CO2	97.44	3.00	68.53
CO3	93.57	2.80	67.40
CO4	95.28	3.00	67.23
CO5	100.00	3.00	72.46
CO6	96.34	3.00	67.81
Biopharmaceutics and Pharmacokinetics-T - [476T]			
CO1	89.49	2.60	55.28
CO2	92.36	3.00	55.70
CO3	87.92	2.40	56.66
CO4	84.44	2.47	52.56
CO5	81.41	2.47	51.58
CO6	93.08	3.00	57.73
Pharmaceutical Jurisprudence - [477T]			
CO1	96.15	3.00	59.08

CO2	92.61	2.87	55.74
CO3	96.88	3.00	59.17
CO4	90.78	2.73	54.86
CO5	100.00	3.00	63.33
CO6	100.00	3.00	63.33
Advanced Drug Delivery System P - [481P]			
CO1	94.58	2.87	70.64
CO2	98.41	3.00	71.90
CO3	92.96	2.83	69.63
CO4	99.60	3.00	73.89
CO5	94.48	2.83	71.55
Advanced Drug Delivery System T - [481T]			
CO1	97.39	3.00	59.21
CO2	99.02	3.00	61.82
CO3	97.90	3.00	59.24
CO4	97.00	3.00	58.33
CO5	92.86	3.00	55.58
CO6	93.67	2.80	57.15
Cosmetic science P - [482P]			
CO1	94.59	2.85	73.28
CO2	93.85	2.78	73.38
CO3	94.58	2.96	72.50
CO4	99.50	3.00	78.18
CO5	99.69	3.00	78.21
CO6	99.69	3.00	78.21
Cosmetic science T - [482T]			
CO1	97.52	3.00	67.96
CO2	97.90	3.00	66.12
CO3	94.92	3.00	64.69
CO4	94.22	2.87	64.91
CO5	98.03	3.00	68.04
CO6	99.23	3.00	67.19
Pharmaceutical Analysis VIP - [483P]			
CO1	92.20	2.77	73.56
CO2	95.18	3.00	75.60
CO3	90.24	2.70	71.65
CO4	95.60	3.00	75.05
CO5	91.76	2.87	71.82
CO6	96.16	3.00	75.15
Pharmaceutical Analysis VIT - [483T]			
CO1	95.76	2.87	63.06
CO2	98.58	3.00	63.83
CO3	97.78	3.00	62.56
CO4	100.00	3.00	68.51
CO5	98.89	3.00	62.06
CO6	99.66	3.00	64.29
Medicinal Chemistry-IV P - [484P]			

CO1	97.98	3.00	79.04
CO2	94.94	2.83	76.52
CO3	94.69	2.85	75.66
CO4	97.87	3.00	78.07
CO5	90.59	2.64	73.00
CO6	99.19	3.00	80.15
Medicinal Chemistry-IV T - [484T]			
CO1	94.11	3.00	58.92
CO2	96.90	3.00	60.07
CO3	95.75	3.00	60.13
CO4	89.75	2.60	55.24
CO5	93.47	2.87	57.23
CO6	91.67	2.60	56.48
PharmacologyV(Including Biostatistics) P - [485P]			
CO1	87.12	2.60	71.29
CO2	90.35	2.64	73.73
CO3	99.54	3.00	79.52
CO4	99.54	3.00	79.52
CO5	90.23	2.70	73.64
CO6	99.54	3.00	79.52
PharmacologyV(Including Biostatistics) - [485T]			
CO1	100.00	3.00	62.46
CO2	100.00	3.00	61.60
CO3	100.00	3.00	59.62
CO4	98.45	3.00	61.50
CO5	95.31	2.87	57.38
CO6	82.50	2.40	54.68
Natural Products: Commerce, Industry and Regulation - [486T]			
CO1	95.73	3.00	59.65
CO2	97.80	3.00	63.30
CO3	94.70	3.00	60.44
CO4	96.49	3.00	61.69
CO5	99.38	3.00	64.69
CO6	100.00	3.00	68.65
Quality Assurance Techniques - [487T]			
CO1	96.80	3.00	59.26
CO2	95.31	3.00	57.99
CO3	94.62	3.00	57.12
CO4	97.30	3.00	59.09
CO5	95.54	3.00	57.42
CO6	97.78	3.00	60.37

3.3 Attainment of Program Outcomes (40)

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

(Describe the assessment tools and processes used to gather the data upon which the evaluation of each the Program Outcome is based indicating the frequency with which these processes are carried out. Describe the assessment processes that demonstrate the degree to which the Program Outcomes are attained and document the attainment levels)

Different assessment tools, used to gather data arementioned in table 3.3.1.1. and 3.3.1.2. The course outcomes are mapped with each program outcomes for each course. Tools are used to assess course outcomes and program outcomes are based on course outcomes thus, same tools are used to assess program outcomes in addition to indirect tools such as surveys.

Table 3.3.1.1. **Direct Attainment Tools**:Various direct assessment toolsemployed for assessing student data and calculating attainment of POs are as follows:

Assessing Tool	Aim	Frequency	Program outcome
Internal examination (including continuous assessment)	Assessing the understanding of the fundamental concepts and expression of the knowledge gained	One per semester per Course at the Institute level	All POs
University semester end examination	Assessing the understanding of the fundamental concepts and expression of the practical skills and knowledge gained.	One at the end of the semester at the University level.	All POs

Table 3.3.1.2.**Indirect Attainment Tools:** Various indirect assessment tools employed for assessing the students and calculating attainment of POs are as follows:

Assessing Tool	Aim	Frequency	Program outcome
Course exit surveys	To assess the contribution of program in the overall development of graduates	After graduation of students	All POs
Alumni survey	To assess the curriculum requirement of the university	Once in a year	All POs
Faculty survey	To assess the curriculum	Once in a year	All POs

	requirement		
Professional society activity	To assess the inoculation of professional identity, ethics and sense of responsibility towards the society	After each activity	PO6, PO7, PO9 and PO11
Guest lecture	To assess the impact of expertise in relation to knowledge, problem solving ability, communication skills and pharmacy practice	After every guest lecture	PO1, PO3, PO6, PO8 and PO9
Industrial visits	To assess the observation skills and ability to relate class room studies to industrial setup.	Once during the program	PO1, PO4, PO6, PO9 and PO10
Co-curricular activities	It assesses the relevance of planned activities in using pharmacy knowledge in promoting problem analysis, planning abilities and a life-long learning.	Once in a year	PO2, PO3, PO4, PO5 , PO8 and PO11
Extracurricular activities	To assess the overall development of students	After completion of each activity	PO2, PO3, , PO5 , PO8 and PO9
Industrial training	To assess the observation skills and ability to relate knowledge to industrial scenario.	After completion of trainings	PO2, PO4, PO5 , PO6
Employer feedback survey	To assess the quality of students in terms of PO attainment	After graduation and placement of students	All POs

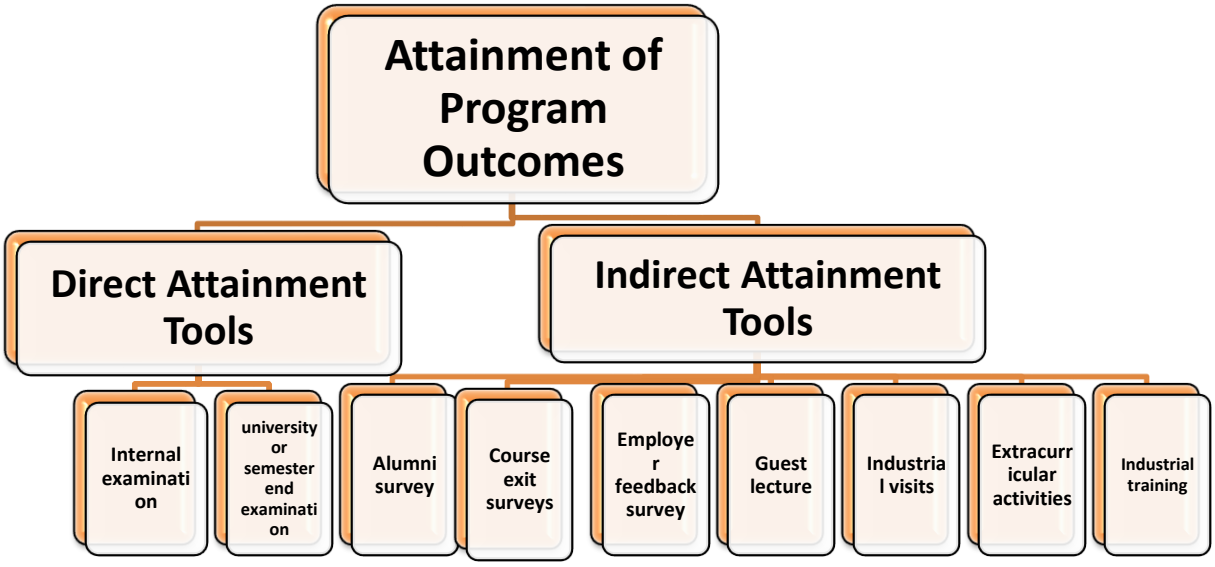


Fig. Flowchart of Different assessment tools

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

Self-assessment Marks:30

Program shall set Program Outcome attainment levels for all POs.

(The attainment levels by direct (student performance) and indirect (surveys) are to be presented through Program level Course-PO matrix as indicated)

Evaluation of results of each PO was performed at two levels

1) Student performance (Direct)- 80% Value
2) Surveys (Indirect)- 20% value.

The results of evaluation of each …

1. Course Wise PO Attainment for 2017-21 graduating batch is shown in Table 3.3.2.1
2. Course Wise PO Attainment for 2016-20 graduating batch is shown in Table 3.3.2.2
3. Course Wise PO Attainment for 2015-29graduating batch is shown in Table 3.3.2.3

Table 3.3.2.1.Course Wise PO Attainment for 2017-21 graduating batch

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
111P	2.74	1.56	1.75	1.29	1.11	1.1	1.13	1.1	1.1	1.11	2.74
111T	2.33	1.33	1.64	1.48	1.33	1.33	1.72	1.24	1.32	1.14	2.33
112P	2.22	1.2	1.34	1.11	0.89	1.18	1.33	0.96	2.22	0.89	1.93
112T	1.39	1.17	1.39	1.03	0.88	0.95	1.32	0.88	1.61	1.03	1.91
113P	2.99	2.39	1.79	2.59		1.59	1.29	2.59	1.31		2.99
113T	2.71	1.86	2.31	2.44		1.3	1.48	2.22	1.43	1.08	2.71
114P	2.94	1.17	1.16	1.16		1.18	1.18	1.18	1.18	1.15	2.94
114T	2.84	1.13	1.13	1.14		1.14	1.56		1.71	1.53	2.84
115P	2.7	2.36	2.72	1.66	1.64	1.54	1.54	1.21	1.72	1.77	2.7
115T	2.48	1.04	0.93	1.09		2.33	1.1		2.33	0.96	2.48
116T	0.85	1.28	0.85	1.15	1.21	1.06	0.99	1.69	0.85	1.21	1.99
121T	2.46	1.14	1.1	2.29	1.08	1.81	1.47	0.98	1.16	0.98	1.81
122P	2.51	1.51	1.17	1	1	1	1	1	1	1	2.51
123P	2.58	1.01	1.01	1.03	1.03	1.54	1.03	1.03	1.56	1.04	1.72
123T	0.27			0.11		0.11			0.11	0.11	0.27
124P	2.23	1.92	1.7	0.97	1.08	1.28	1.07	0.96	1.42	1.11	2.23
124T	2.57	1.26	1.25	1.54	0.99	1.54	1.13		1.46	0.99	2.57
125P	2.73	1.45	1.18	1.19	1.09	2.73	1.09	2.73	1.63	1.09	2.73
125T	2.63	1.07	1.21	1.19	1.07	2.63	1.06	1.04	1.19	1.78	2.63
126P	2.83	1.1	1.65	1.1	1.1	1.13	1.1	1.13	1.13		1.7
126T	2.07		0.83		0.88	0.83	0.88			0.83	2.07
231P	2.76	2.76	2.76	1.85		1.56	1.19	1.66	1.1		1.56
231T	2.47	1.36	1.62	1.81		1.2	0.99		1.25	1.08	1.72
232P	0.95	0.87	0.66	0.92	0.58	0.58	0.8	0.58	0.58	0.65	0.86
232T	2.33	0.93	0.93	0.93	0.93	1.4	2.01	0.93	1.4	1.4	2.33
233P	2.78	1.58	1.66	1.67	1.67	1.49	1.48	1.67	1.65	1.7	2.78
233T	2.68			1.35		1.95		1.08	1.29	1.39	2.68
234P	2.9	2.32	1.74	2.52		1.54	1.26	2.52	1.29		2.9
234T	2.68	1.62	1.53	1.95		1.63	1.24	1.81	1.07	1.07	2.68
235T	2.49	1.49	2.3	1.49		1.67	1.99		1.41	1	1.65
236P	3	1.8	1.8	2		1.3	1.6	1.3	1.8	1.8	2.6
236T	2.37			1.25		1.42	1.42		2.37	1.42	2.37
241P	2.76	2.76	2.76	2.4		1.66	1.11	1.66	1.11		1.83
241T	2.48	1.12	1.73	1.7			0.99		1.08	1.08	1.97
242P	2.59	2.05	1.55	1.55		1.67	1.11		1.67	1.39	1.85
242T	2.3	1.75	1.36	1.36		1.47	0.98		1.47	1.24	1.62
243P	2.9	1.74	1.16	1.16	1.74	1.16	1.16	1.74	1.16	1.16	2.9
243T	2.59	1.45	1.32	1.43		1.11	1.04	2.23	1.04	1.04	2.59
244P	2.61	2.61	2.61	2.61		2.61	2.61	2.61	2.61	1.68	2.61
244T	2.93	1.5	1.4	1.76		1.77	1.15	1.32	1.66	1.8	2.93
245P	2.73	1.83	1.54	1.82	1.09	1.09	1.09	1.64	1.64	1.64	2.73
245T	0.67			0.4		0.4	0.4		0.67	0.4	0.67

246T	2.43		0.97	1.46		0.97	0.97	0.97	0.97	0.97	2.43
351P	2.62	1.57	1.57	1.57	1.05	1.05	1.05	1.05	1.05	1.05	2.62
351T	2.53	1.01	1.52	1.44		1.35	1.52	1.01	1.01	1.43	2.53
352P	2.68	1.49	1.97	2.68	2.76	1.53	1.79	2.76	1.79	2.14	2.68
352T	2.92	1.17	1.75	1.17	1.17	1.17	1.75	1.17	1.75		2.92
353P	2.43	1.51	1.6	2.06	1.62	1.5	1.13	1.13	1.13		2.44
353T	2.72		1.98	1.75		1.47	1.09	1.09	1.09		2.56
354P	2.65	2.19	2.41	1.88		1.89	1.98		1.6		2.65
354T	2.61		1.42	1.34		1.09	1.01	1.09	1.31	1.12	2.61
355P	2.85	1.61	2.48	2.15		2.38	1.61	2	1.81	2.26	2.85
355T	2.61	1.46	2.18	1.82		2.18	1.48	1.84	1.68	2.25	2.61
356T	1.44	2.6	2.3	2.1	2.7	1.8	2	2.8	1.7	1.68	2.8
357T	2.93	1.46	1.56	2.23		1.66	1.27	2.15	1.27	1.41	2.93
361P	3	1.7	1.6	1.6	1.2	1.2	1.2	1.2	1.2	1.2	3
361T	3	1.2	1.2	1.2		1.8	1.2	1.2	1.2	1.2	3
362P	3	1.8	1.8	3	1.2	1.8	1.8	1.8	1.8	3	3
362T	3	1.2	1.8	1.8	1.2	1.2	1.8	1.2	1.8	1.2	3
363P	2.8	1.6	1.7	2.2	1.2	1.2	1.2	1.2	1.2	1.5	2.4
363T	3		2.5	2.3		1.6	1.2	1.2	1.2		2.8
364P	3	3	3	1.5		1.8	1.6		1.8		3
364T	3		2.8	1.2	1.2	2.4	1.7		1.68	1.2	3
365P	3	1.5	2.52	2.7		2.4	2.2	2.2	1.7	1.68	3
365T	3	1.5	2.04	2.5		2.4	2	2.8	1.7	1.4	3
366T	1.8	1.8	1.8	1.8		1.5	1.3	1.2	1.8	1.8	3
367T	2	1.2	1.2	1.8	1.2	1.2	1.8	1.2	1.7	1.8	1.8
471P	2.6	1.56	1.56	2.42		2.6	2.6	1.04	1.56	1.56	2.6
471T	3	1.8	1.8	2.8		3	3	1.2	1.8	1.8	3
472P	2.8	2.3	2.4	2.3	1.5	1.7	1.5	1.95	1.5	3	3
472T	3	1.8	3	2.8	1.2	2.8	1.4	1.8	1.8	2.4	3
473P	2.74	1.65	1.1	1.65	1.1	2.74	2.74	1.65	2.74	1.65	1.65
473T	3	1.8	3	1.8	1.2	3	3	3	1.8	1.8	1.8
474P	2.79	1.68	1.68	1.68		1.68	1.48		1.68	1.58	1.88
474T	3	1.7	2	1.8		3	3		3	1.5	1.8
475P	2.96	1.53	2.46	2.95		2.56	2.06	2.37	2.02	1.53	2.96
475T	3	1.56	2.5	3		2.6	2.1	2.4	2.04	1.56	3
476T	3	1.2	1.6	1.2		1.8	1.6	1.2	1.2	1.2	3
477T	3	1.7	1.8		1.2	1.8	1.8	1.2	1.5	2	3
481P	3	1.8	1.8	3		3	3	1.2	1.8	1.8	3
481T	3	1.8	1.8	2.8		3	3	1.2	1.8	1.8	3
482P	3	1.9	1.6	1.8	1.8	1.6	1.2	1.6	1.4	1.6	3
482T	3	1.5	1.6	1.7	1.2	1.8	1.8	1.6	1.7	1.2	3
483P	3	2.2	2.3	2.7	1.2	2.5	1.9	2.1	1.5	3	3
483T	2.8	1.8	2.2	2.2	1.5	1.9	1.8	1.8	2	2.04	3
484P	3	1.8	1.2	1.8		3	3	1.2	3	3	1.8
484T	3	1.8	1.2	1.8		3	3	1.8	1.8	1.65	1.8
485P	3	1.8	1.8	1.8		1.8	1.8		1.8	1.8	2
485T	3	1.7	2	1.8		3	3	1.8	3	1.3	1.8

486T	3	1.2	2.6	2.04		2.2	2	2.4	1.9	3	3
487T	3	1.2	1.4	1.2	1.2	1.8	1.2	1.8	1.2	1.2	1.8
Direct Attainment	2.62	1.63	1.75	1.76	1.27	1.74	1.58	1.58	1.55	1.49	2.45

PO Indirect Attainment:

Survey Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Alumni Feedback survey	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Course Exit Survey	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	0.00	3.00
PO-Extracurricular activity - Industrial training survey	0.00	3.00	3.00	3.00	3.00	3.00	0.00	0.00	0.00	3.00	3.00
PO-Extracurricular activity - Training & Placement survey	0.00	3.00	3.00	3.00	3.00	3.00	0.00	0.00	0.00	3.00	3.00
PO-Cultural activity survey	0.00	3.00	3.00	3.00	3.00	3.00	0.00	0.00	0.00	3.00	3.00
PO-Employer Feedback Survey	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
PO-Guest lecture survey	0.00	3.00	3.00	3.00	3.00	3.00	0.00	0.00	0.00	3.00	3.00
Indirect Attainment	1.29	3.00	3.00	3.00	3.00	3.00	1.29	1.29	1.29	2.57	3.00

PO Direct and Indirect Attainment (After applying weightage):

Direct Attainment: 80% and Indirect Attainment: 20%

PO Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Direct Attainment	2.10	1.30	1.40	1.41	1.01	1.39	1.26	1.26	1.24	1.19	1.96
Indirect Attainment	0.36	0.60	0.60	0.60	0.60	0.60	0.26	0.36	0.36	0.48	0.60
Overall Attainment	2.46	1.90	2.00	2.01	1.61	1.99	1.62	1.62	1.60	1.67	2.56

Table 3.3.2.2.Course Wise PO Attainment for 2016-20 graduating batch

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
111P	3	1.7	1.9	1.4	1.2	1.2	1.2	1.2	1.2	1.2	3
111T	1.73	0.97	1.21	1.11	0.97	0.98	1.25	0.93	0.99	0.81	1.73
112P	3	1.6	1.8	1.4	1.2	1.6	1.8	1.3	3	1.2	2.6
112T	2.71	1.44	1.43	1.26	1.16	1.53	1.99	1.08	1.78	1.78	2.71
113P	3	2.4	1.8	2.6		1.6	1.3	2.6	1.32		3
113T	2.55	1.65	2.09	2.12		1.17	1.4	2.05	1.25	1.02	2.55
114P	2.86	1.14	1.13	1.13		1.14	1.14	1.14	1.14	1.11	2.86
114T	2.75	1.1	1.1	1.1		1.1	1.8		1.65	1.39	2.75
115P	3	2.6	3	1.8	1.8	1.68	1.7	1.35	1.9	1.95	3
115T	2.5	0.96	1.04	1.11		2.33	1.17		2.33	0.96	2.5
116T	0.93	1.4	0.93	1.24	1.32	1.16	1.09	1.86	0.93	1.32	2.17
121T	2.46	1.1	1.09	2.31	1.11	1.82	1.47	0.98	1.15	0.98	1.82
122P	2.96	1.77	1.38	1.18	1.18	1.18	1.18	1.18	1.18	1.18	2.96
122T	2.42	1.14	1.3	1.21	0.97	1.45	1.45	0.97	1.45	1.45	1.45
123P	3	1.2	1.2	1.2	1.2	1.8	1.2	1.2	1.8	1.2	2
123T	1.53			0.61		0.61			0.61	0.61	1.53
124P	3	2.4	2.2	1.32	1.4	1.7	1.44	1.3	1.9	1.5	3
124T	2.48	1.16	1.19	1.49	0.96	1.49	1.09		1.41	0.95	2.48
125P	3	1.6	1.3	1.3	1.2	3	1.2	3	1.8	1.2	3
125T	3	1.2	1.4	1.35	1.2	3	1.2	1.2	1.32	2	3
126P	3	1.2	1.8	1.2	1.2	1.2	1.2	1.2	1.2		1.8
126T	3		1.2		1.2	1.2	1.2			1.2	3
231P	2.67	2.67	2.67	1.79		1.51	1.16	1.6	1.07		1.51
231T	2.46	1.27	1.54	1.77		1.26	0.98		1.23	1.06	1.73
232P	1.74	1.57	1.23	1.05	1.05	2.27	2.46	1.05	1.57	1.57	2.08
232T	2.65	1.06	1.06	1.06		1.59	2.29	1.06	1.59	1.59	2.65
233P	2.74	1.55	1.63	1.65	1.64	1.46	1.46	1.65	1.63	1.64	2.74
233T	2.66			1.33		1.93		1.08	1.3	1.4	2.66
234P	2.92	2.34	1.74	2.55		1.54	1.26	2.55	1.3		2.92
234T	2.32	1.4	1.28	1.77		1.39	1.09	1.54	0.93	0.93	2.32
235T	2.57	1.54	2.35	1.54		1.7	2.05		1.47	1.03	1.71
236P	2.78	1.67	1.67	1.87		1.2	1.48	1.21	1.67	1.67	2.4
236T	2.43			1.29		1.46	1.46		2.43	1.46	2.43
241P	2.84	2.84	2.84	2.44		1.7	1.14	1.7	1.14		1.88
241T	2.43	1.07	1.65	1.7			0.97		1.05	1.05	1.93
242P	2.73	2.18	1.63	1.63		1.75	1.17		1.75	1.47	1.95
242T	2.39	1.82	1.43	1.43		1.55	1.04		1.55	1.29	1.72
243P	2.81	1.69	1.69	1.13	1.15	1.69	2.81	1.13	2.81	2.81	2.81
243T	2.59	1.55	1.04		1.04	2.59	2.59	1.55	2.59	1.04	2.59
244P	2.73	1.6	1.66	1.55				1.62	1.65	1.64	2.73
244T	2.89	1.46	1.42	1.73		1.72	1.16	1.28	1.63	1.8	2.89
245P	2.98	1.99	1.69	2.58		1.19	1.19	1.79	1.79	1.79	2.98
245T	2.89			1.73		1.73	1.73		2.89	1.73	2.89
246T	2.81		1.12	1.69		1.12	1.12	1.12	1.12	1.12	2.81

351P	2.58	1.55	1.55	1.55	1.03	1.03	1.03	1.03	1.03	1.03	2.58
351T	2.3	0.92	1.38	1.31		1.23	1.38	0.92	0.92	1.3	2.3
352P	2.49	1.41	1.83	2.49	2.73	1.43	1.68	2.73	1.68	2.08	2.49
352T	2.75	1.1	1.65	1.1	1.1	1.1	1.65	1.1	1.65		2.75
353P	2.45	1.52	1.63	2.1	1.8	1.54	1.14	1.14	1.14		2.45
353T	2.43		1.78	1.54		1.31	0.97	0.97	0.97		2.29
354P	2.86	2.44	2.67	2.14		2.1	2.01		1.68		2.86
354T	2.5		1.29	1.42		1.2	1	1.2	1.32	0.96	2.5
355P	2.69	1.52	2.32	2.05		2.26	1.53	1.86	1.7	2.17	2.69
355T	2.77	1.54	2.29	1.95		2.29	1.56	1.92	1.76	2.4	2.77
356T	1.23	2.31	2.03	1.86	2.37	1.61	1.8	2.47	1.53	1.55	2.47
357T	2.98	1.49	1.59	2.28		1.69	1.29	2.18	1.29	1.42	2.98
361P	2.73	1.55	1.45	1.45	1.09	1.09	1.09	1.09	1.09	1.09	2.73
361T	2.4	0.96	0.96	0.96		1.44	0.96	0.96	0.96	0.96	2.4
362P	2.77	2.17	1.96	2.48	1.78	1.66	2.03	1.86	1.88	2.55	2.77
362T	2.91	1.16	1.75	1.75	1.16	1.16	1.75	1.16	1.75	1.15	2.91
363P	2.73	1.56	1.66	2.13	1.13	1.17	1.17	1.17	1.17	1.47	2.34
363T	2.53		2.11	1.94		1.34	1.01	1.01	1.01		2.38
364P	2.84	2.81	2.81	1.38		1.68	1.52		1.73		2.84
364T	2.68		2.52	1.01	1.15	2.16	1.53		1.53	1.2	2.68
365P	3	1.5	2.52	2.7		2.4	2.2	2.2	1.7	1.68	3
365T	2.53	1.31	1.72	2.13		2	1.72	2.37	1.44	1.18	2.53
366T	1.62	1.56	1.58	1.62		1.37	1.17	1.08	1.68	1.62	2.7
367T	1.67	1.01	1.01	1.51	1.01	1.01	1.51	1.01	1.43	1.51	1.51
471P	2.64	1.58	1.58	2.46		2.64	2.64	1.06	1.58	1.58	2.64
471T	2.76	1.65	1.65	2.57		2.76	2.76	1.1	1.65	1.65	2.76
472P	2.59	2.12	2.21	2.12	1.34	1.56	1.37	1.74	1.37	2.88	2.76
472T	2.88	1.76	2.88	2.68	1.17	2.68	1.35	1.73	1.73	2.33	2.88
473P	2.89	1.74	1.16	1.74		2.89	2.89	1.16	2.89	2.88	1.74
473T	2.3	0.92	0.92	1.38		2.3	2.3	0.92	1.38	0.92	1.38
474P	2.76	1.66	1.66	2.58		2.76	2.76	1.1	1.66	1.66	2.76
474T	2.56	1.44	1.69	1.53		2.56	2.56		2.56	1.26	1.53
475P	2.83	1.48	2.37	2.79		2.47	2	2.28	1.96	1.45	2.83
475T	2.62	1.38	2.2	2.59		2.29	1.85	2.07	1.8	1.33	2.62
476T	2.39	0.91	1.27	0.96		1.43	1.27	0.96	0.96	0.96	2.39
477T	2.75	1.55	1.65		1.1	1.65	1.65	1.1	1.38	1.81	2.75
481P	3	1.8	1.8	3		3	3	1.2	1.8	1.8	3
481T	3	1.8	1.8	2.8		3	3	1.2	1.8	1.8	3
482P	3	1.9	1.6	1.8	1.8	1.6	1.2	1.6	1.4	1.6	3
482T	3	1.5	1.6	1.7	1.2	1.8	1.8	1.6	1.7	1.2	3
483P	3	2.2	2.3	2.7	1.2	2.5	1.9	2.1	1.5	3	3
483T	2.8	1.8	2.2	2.2	1.5	1.9	1.8	1.8	2	2.04	3
484P	3	1.8	1.2	1.8		3	3	1.2	3	3	1.8
484T	3	1.8	1.2	1.8		3	3	1.8	1.8	1.65	1.8
485P	3	1.8	1.8	1.8		1.8	1.8		1.8	1.8	2
485T	3	1.7	2	1.8		3	3	1.8	3	1.3	1.8
486T	3	1.2	2.6	2.04		2.2	2	2.4	1.9	3	3

487T	3	1.8	1.2	1.5	1.2	1.8	1.2	1.2	1.2	1.35	3
Direct Attainment	2.65	1.61	1.70	1.75	1.31	1.78	1.64	1.48	1.60	1.54	2.50

PO Indirect Attainment:

Survey Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Alumni Feedback survey	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Course Exit Survey	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	0.00	3.00
PO-Extracurricular activity - Industrial training survey	0.00	3.00	3.00	3.00	3.00	3.00	0.00	0.00	0.00	3.00	3.00
Extracurricular activity - Industrial visit survey	0.00	3.00	3.00	3.00	3.00	3.00	0.00	0.00	0.00	3.00	3.00
Extracurricular activity - Training & Placement survey	0.00	3.00	3.00	3.00	3.00	3.00	0.00	0.00	0.00	3.00	3.00
Cultural activity survey	0.00	3.00	3.00	3.00	3.00	3.00	0.00	0.00	0.00	3.00	3.00
Employer Feedback Survey	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Guest lecture survey	0.00	3.00	3.00	3.00	3.00	3.00	0.00	0.00	0.00	3.00	3.00
Indirect Attainment	1.12	3.00	3.00	3.00	3.00	3.00	1.12	1.12	1.12	2.62	3.00

PO Direct and Indirect Attainment (After applying weightage):

Direct Attainment : 80% and Indirect Attainment : 20%

PO Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Direct Attainment	2.12	1.28	1.36	1.40	1.05	1.42	1.31	1.18	1.28	1.23	2.00
Indirect Attainment	0.36	0.60	0.60	0.60	0.60	0.60	0.36	0.36	0.36	0.48	0.48
Overall Attainment	2.48	1.88	1.96	2.00	1.65	2.02	1.67	1.54	1.64	1.71	2.60

Table 3.3.2.3.Course Wise PO Attainment for 2015-19 graduating batch

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
111P	2.57	1.46	1.62	1.19	1.04	1.03	1.03	1.01	1.02	1.13	2.57
111T	1.59	1.26	1.11	0.91	0.97	0.93	0.98	0.87	0.89	0.8	1.15
112P	2.8	1.51	1.5	1.12	1.37	1.86	1.68	1.68	1.68	1.68	2.8
112T	2.67	1.44	1.47	1.25	1.15	1.51	1.92	1.07	1.77	1.77	2.67
113P	2.84	2.27	1.7	2.47		1.51	1.23	2.47	1.26		2.84
113T	3	2.04	2.55	2.6		1.44	1.5	2.4	1.44	1.2	3
114P	2.85	1.16	1.16	1.16		1.14	1.14	1.14	1.14	1.14	2.85
114T	2.87	1.16	1.16	1.15		1.15	1.68		1.72	1.51	2.87
115P	2.44	2.08	2.4	1.48	1.46	1.36	1.39	1.09	1.55	1.59	2.44
115T	2.78	1.2	1.12	1.22		2.6	1.29		2.6	1.09	2.78
116T	1.17	1.76	1.17	1.56	1.47	1.46	1.36	2.36	1.17	1.66	2.76
121T	2.71	1.24	1.24	2.52	1.24	1.98	1.63	1.08	1.28	1.08	1.98
122P	3	1.8	1.2	1.2		1.8	3	1.2	1.8	1.8	1.8
122T	2.63	1.21	1.39	1.33		1.58	1.58	1.05	1.58	1.58	1.58
123P	3	1.2	1.2	1.2	1.2	1.8	1.2	1.2	1.8	1.2	2
123T	2.36			0.94		0.94			0.94	0.94	2.36
124P	2.97	2.4	2.2	1.3	1.4	1.69	1.43	1.28	1.88	1.48	2.97
124T	2.82	1.35	1.37	1.69	1.15	1.69	1.23		1.6	1.11	2.82
125P	2.92	1.55	1.26	1.27	1.17	2.92	1.17	2.92	1.76	1.17	2.92
125T	2.53	0.98	1.17	1.05	1	2.53	0.99	0.94	1.12	1.68	2.53
126P	2.91	1.15	1.72	1.15	1.15	1.16	1.15	1.16	1.16		1.75
126T	3		1.2		1.2	1.2	1.2			1.2	3
231P	3	3	3	2		1.7	1.3	1.8	1.2		1.7
231T	2.9	1.57	1.88	2.13		1.44	1.16		1.46	1.26	2.03
232P	2	1.8	1.4	1.2		2.6	2.8	1.2	1.8	1.8	2.4
232T	2.93	1.17	1.17	1.17		1.76	2.55	1.17	1.76	1.76	2.93
233P	3	1.7	1.8	1.8	1.8	1.6	1.6	1.8	1.8	1.8	3
233T	2.71			1.36		1.99		1.08	1.3	1.39	2.71
234P	2.87	2.3	1.72	2.49		1.53	1.24	2.49	1.27		2.87
234T	2.78	1.68	1.57	2.02		1.7	1.3	1.91	1.11	1.11	2.78
235T	2.87	1.72	2.6	1.72		1.92	2.27		1.64	1.15	1.9
236P	3	1.8	1.8	2		1.3	1.6	1.3	1.8	1.8	2.6
236T	1.93			1.03		1.16	1.16		1.93	1.16	1.93
241P	3	3	3	2.6		1.8	1.2	1.8	1.2		2
241T	2.93	1.32	2.02	2.05			1.17		1.27	1.27	2.35
242P	2.8	2.2	1.68	1.68		1.8	1.2		1.8	1.5	2
242T	2.62	2.12	1.6	1.6		1.69	1.13		1.69	1.4	1.89
243P	3	1.8	1.8	1.2		1.8	3	1.2	3	3	3
243T	2.74	1.65	1.1		1.1	2.74	2.74	1.65	2.74	1.1	2.74
244P	3	1.8	1.8	1.7				1.8	1.8	1.8	3
244T	3	1.5	1.44	1.8		1.8	1.2	1.35	1.7	1.8	3
245P	3	2	1.7	2.6		1.2	1.2	1.8	1.8	1.8	3
245T	2.2			1.32		1.32	1.32		2.2	1.32	2.2
246T	3		1.2	1.8		1.2	1.2	1.2	1.2	1.2	3

351P	2.78	1.67	1.67	1.67	1.11	1.11	1.11	1.11	1.11	1.11	2.78
351T	2.85	1.14	1.71	1.62		1.53	1.71	1.14	1.14	1.62	2.85
352P	3	1.65	2.2	2.8	3	1.7	2	3	2.2	2.4	3
352T	2.65	1.68	2.07	2.07	1.41	1.81	1.7	1.71	1.9	1.97	2.83
353P	2.56	1.58	1.68	2.17		1.58	1.18	1.18	1.18		2.56
353T	2.83		2.06	1.81		1.51	1.13	1.13	1.13		2.63
354P	2.93	2.45	2.69	2.09		2.12	2.17		1.7		2.93
354T	2.74		1.43	1.5		1.2	1.09	1.2	1.41	1.08	2.74
355P	2.97	1.68	2.58	2.26		2.49	1.68	2.08	1.88	2.37	2.97
355T	2.93	1.63	2.43	2.09		2.43	1.66	2.05	1.86	2.54	2.93
356T	1.33	2.43	2.16	1.97	2.52	1.69	1.88	2.61	1.6	1.58	2.61
357T	2.97	1.48	1.58	2.27		1.68	1.29	2.18	1.29	1.42	2.97
361P	2.72	1.55	1.45	1.45	1.09	1.09	1.09	1.09	1.09	1.09	2.72
361T	2.69	1.08	1.08	1.08		1.61	1.08	1.08	1.08	1.08	2.69
362P	3	1.65	2.2	2.8	3	1.7	2	3	2	2.1	3
362T	2.96	1.62	2.16	2.77	2.87	1.67	1.97	2.87	1.97	2.03	2.96
363P	2.77	1.58	1.69	2.19		1.19	1.19	1.19	1.19		2.38
363T	2.88		2.44	2.19		1.53	1.15	1.15	1.15		2.68
364P	2.97	3	3	1.47		1.8	1.58		1.72		2.97
364T	2.89		2.71	1.15	1.09	2.31	1.65		1.66	1.2	2.89
365P	2.98	1.49	2.49	2.68		2.39	2.18	2.18	1.69	1.66	2.98
365T	2.91	1.44	1.94	2.41		2.31	1.94	2.71	1.65	1.36	2.91
366T	1.7	1.74	1.68	1.7		1.42	1.23	1.13	1.72	1.7	2.83
367T	2.91	1.25	1.16	1.35		1.75	1.35	1.17	1.36	1.55	2.91
471P	2.91	1.75	1.75	2.73		2.91	2.91	1.17	1.75	1.75	2.91
471T	3	1.8	1.8	2.8		3	3	1.2	1.8	1.8	3
472P	2.78	2.28	2.39	2.29	1.48	1.68	1.48	1.93	1.48	2.88	2.97
472T	2.96	1.8	2.96	2.76	1.2	2.76	1.38	1.77	1.77	2.32	2.96
473P	2.84	1.71	1.14	1.71		2.84	2.84		2.84	2.84	1.71
473T	2.52	1.51	1.01	1.51		1.51	2.52	1.01	2.52	2.52	2.52
474P	2.99	1.79	1.8	1.8		1.8	1.56		1.8	1.68	2
474T	2.9	1.64	1.94	1.74		2.9	2.9		2.9	1.46	1.74
475P	2.99	1.56	2.5	2.99		2.59	2.1	2.4	2.04	1.56	2.99
475T	2.97	1.54	2.47	2.96		2.57	2.07	2.38	2.02	1.54	2.97
476T	2.66	1.09	1.41	1.06		1.59	1.41	1.06	1.06	1.06	2.66
477T	2.93	1.66	1.76		1.17	1.76	1.76	1.17	1.47	2	2.93
481P	2.91	1.74	1.74	2.91		2.91	2.91	1.16	1.74	1.74	2.91
481T	2.97	1.78	1.78	2.78		2.97	2.97	1.19	1.78	1.78	2.97
482P	2.93	1.96	1.66	1.96	1.16	1.76	1.27	1.76	1.76	1.18	2.74
482T	2.98	1.59	1.69	1.69	1.19	1.69	1.59	1.19	1.79	1.31	1.99
483P	2.89	2.12	2.23	2.61	1.11	2.4	1.83	2.05	1.43	2.77	2.89
483T	2.78	1.78	2.18	2.18	1.48	1.89	1.79	1.78	1.99	2.04	2.98
484P	2.89	1.73	1.15	1.73		2.89	2.89		2.89	2.89	1.73
484T	2.84	1.71	1.22	1.71		2.84	2.84		1.71	2.84	2.84
485P	2.82	1.65	1.69	1.69		1.69	1.56		1.69	1.57	1.87
485T	2.88	1.63	1.93	1.73		2.88	2.88	1.8	2.88	1.25	1.73
486T	3	1.2	2.6	2.04		2.2	2	2.4	1.9	3	3

487T	3	1.8	1.2	1.5	1.2	1.8	1.2	1.2	1.2	1.35	3
Direct Attainment	2.77	1.69	1.79	1.84	1.44	1.85	1.69	1.61	1.67	1.64	2.60

PO Indirect Attainment:

Survey Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
PO -Alumni Feedback Survey	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
PO Course Exit Survey	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	0.00	3.00
PO-Extracurricular activity - Industrial training survey	0.00	3.00	3.00	3.00	3.00	3.00	0.00	0.00	0.00	3.00	3.00
PO-extracurricular activity-Training & Placement Survey	0.00	3.00	3.00	3.00	3.00	3.00	0.00	0.00	0.00	3.00	3.00
PO-Cultural activity survey	0.00	3.00	3.00	3.00	3.00	3.00	0.00	0.00	0.00	3.00	3.00
PO-Employer Feedback Survey	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
PO-Extracurricular activity - Entrepreneurship survey	0.00	3.00	3.00	3.00	3.00	3.00	0.00	0.00	0.00	3.00	3.00
PO-Extracurricular activity-Industrial visit survey	0.00	3.00	3.00	3.00	3.00	3.00	0.00	0.00	0.00	3.00	3.00
PO-Guest lecture survey	0.00	3.00	3.00	3.00	3.00	3.00	0.00	0.00	0.00	3.00	3.00
Indirect Attainment	1.20	3.00	3.00	3.00	3.00	3.00	1.20	1.20	1.20	2.40	3.00

PO Direct and Indirect Attainment (After applying weightage):

Direct Attainment: 80% and Indirect Attainment: 20%

PO Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Direct Attainment	2.22	1.36	1.43	1.47	1.15	1.48	1.36	1.29	1.33	1.32	2.08
Indirect Attainment	0.24	0.60	0.60	0.60	0.60	0.60	0.24	0.24	0.24	0.48	0.60
Overall Attainment	2.46	1.96	2.03	2.07	1.75	2.08	1.60	1.53	1.57	1.80	2.68

CRITERION 3
Course Outcomes (COs) andProgram Outcomes (POs) (100)

Self-Assessment Worksheet

Sr. No	Sub Criteria	Max. Marks/ Weightage	Self-assessment Marks	Marks Awarded
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**	**5**	
3.1.2	CO-PO matrices of courses selected in 3.1.1 (four matrices to be mentioned; one per semester from 1st to 8th semester; at least one per year)	**5**	**5**	
3.1.3	Course-PO matrix of courses for all four years of study	**10**	**10**	
3.2.1	Describe the assessment processes used to gather the data upon which the evaluation of Course Outcome is based	**10**	**10**	
3.2.2	Record the attainment of Course Outcomes of all courses with respect to set attainment levels	**30**	**30**	
3.3.1	Describe assessment tools and processes used for assessing the attainment of each PO	**10**	**10**	
3.3.2	Provide results of evaluation of each PO	**30**	**30**	
Total		**100**	**100**	

CRITERION 4
Students 'Performance

CRITERION 4	Students' Performance	180

4. Student's Performance (180)

Item	CAY 2020-21	CAYm1 2019-20	CAYm2 2018-19	CAYm3 2017-18
Sanctioned intake of Program (N)	60	60	60	60
Number of students admitted in the corresponding First Year (N1)	65	62	59	59
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	0	12	9	7
Total no of students admitted in the program (N1 +N2)	65	74	68	66

4.1. Enrolment Ratio (20)

Self-assessment Marks: 20

Table 4.1 Enrolment Ratio:

Enrolment Ratio = N1/N
Total number of students admitted in first year (N1) = 60
Sanctioned intake of the program (N) = 60
Enrolment Ratio = 1.00

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

	N From Table 4.1	N 1 From Table 4.1	Enrollment ratio
2020-21	60	65	100
2019-20	60	62	100
2018-19	60	59	98.33
2017-18	60	59	98.33

4.2. Success rate without backlog in the stipulated period of the program (30)

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 inany semester/year ofstudy)			
		IYear	II Year	III Year	IV Year
CAY (2020-21)	65	65			
CAY*m*1 (2019-20)	62	36	48		
CAY*m*2 (2018-19)	59+09=68	49	58	58	
CAY*m*3 (2017-18)	59+07=66	31	38	38	38
CAY*m*4(LYG) (2016-17)	59+10=69	41	49	49	48
CAY*m*5 (LYG*m*1) (2015-16)	60+17=77	37	51	51	51
CAY*m*6 (LYG*m2*) (2014-15)	60+10= 70	51	48	44	42

4.3. Success rate with backlog in the stipulated period of the program (20)

Year of entry	Number of students admitted in 1st year + admitted via lateral entry in 2nd year (*N*1 + *N*2)	Number of students who have successfully graduated (Students with backlog in stipulated period of study)			
		I Year	II Year	III Year	IV Year
CAY (2020-21)	65	65			
CAY*m*1 (2019-20)	62+12=74	62	74		
CAY*m*2 (2018-19)	59+09=68	59	68	68	
CAY*m*3 (2017-18)	59+07=66	53	57	57	57
CAY*m*4(LYG) (2016-17)	59+10=69	53	61	61	61
CAY*m*5 (LYG*m*1) (2015-16)	60+17=77	48	65	64	64
CAY*m*6 (LYG*m2*) (2014-15)	60+10= 70	58	65	65	59

4.2.1. Success rate without backlog in stipulated period of study (30)

Self-assessment Marks: 19.50

Item	LYG 2016-17	LYGm1 2015-16	LYGm2 2014-15
Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry	69	77	70
Number of students who have graduated with backlog in the stipulated period	48	51	42
Success Index (SI)	0.69	0.66	0.60
Average SI	0.65		
Success rate (***30 × Average SI***)	19.50		

SI= (Number of students who graduated from the program without backlog)/ {(Number of students admitted in the first year of that batch) plus (lateral entry students admitted in second year of study)}
Average SI = Mean of success index (SI) for past three batches
Success rate without backlogs in any year of study = 30 × Average SI
Note: If 100% students clear without any backlog then also total marks scored will be 50 as both 4.2.1 & 4.2.2 will be applicable simultaneously.

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

Self-assessment Marks: 17.05

Item	LYG 2016-17	LYGm1 2015-16	LYGm2 2014-15
Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry	69	77	70
Number of students who have graduated with backlog in the stipulated period	61	64	59
Success Index (SI)	0.8840	0.8311	0.8428
Average SI	0.8526		
Success rate (***20 × Average SI***)	17.05		

SI= (Number of students who graduated from the program without backlog)/ {(Number of students admitted in the first year of that batch) plus (lateral entry students admitted in second year of study)}
Average SI = Mean of success index (SI) for past three batches +
Success rate without backlogs in any year of study = 20 × Average SI

4.3. Academic Performance in Final Year (10)

Self-assessment Marks: 6.41

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

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

Item	LYG 2016-17	LYGm1 2015-16	LYGm2 2014-15
Mean of CGPA or Mean Percentage of all successful students (X)	6.65	6.69	6.27
Total no. of successful students (Y)	61	64	59
Total no. of students appeared in the examination (Z)	63	64	65
API = X* (Y/Z)	6.86	6.69	5.69
Average API = (AP1 + AP2 + AP3)/3	6.41		

Academic Performance = Average API

4.4. Academic Performance in Third Year (10)

Self-assessment Marks: 6.56

Academic Performance = Average API

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

Successful students are those who are permitted to proceed to the final year

Item	(CAYm3) 2017-18	(LYG) 2016-17	(LYGm1) 2015-16
Mean of CGPA or Mean Percentage of all successful students (X)	6.67	6.75	6.59
Total no. of successful students (Y)	57	61	64
Total no. of students appeared in the examination (Z)	59	61	65
API = X* (Y/Z)	6.44	6.75	6.49
Average API = (AP1 + AP2 + AP3)/3	6.56		

4.5. Academic Performance in Second Year (10)

Self-assessment Marks: 6.85

Academic Performance = Average API

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

Successful students are those who are permitted to proceed to the third year

Item	2018-19 (CAYm2)	2017-18 (CAYm3)	2016-17 (LYG)
Mean of CGPA or Mean Percentage of all successful students (X)	7.84	6.84	6.65
Total no. of successful students (Y)	68	57	61
Total no. of students appeared in the examination (Z)	68	62	63
API = X* (Y/Z)	7.84	6.29	6.44
Average API = (AP1 + AP2 + AP3)/3	6.85		

4.6. Academic Performance in First Year (20)

Self-assessment Marks: 14.12

Academic Performance=2.0*Average API

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

Successful students are those who are permitted to proceed to the second year

Item	2019-20 (CAYm1)	2018-19 (CAYm2)	2017-18 (CAYm3)
Mean of CGPA or Mean Percentage of all successful students (X)	8.48	7.02	6.34
Total no. of successful students (Y)	62	59	53
Total no. of students appeared in the examination (Z)	62	59	59
API = X* (Y/Z)	8.48	7.02	5.70
Average API = (AP1 + AP2 + AP3)/3	7.06		
Academic Performance=2.0*Average API	14.12		

4.7. Placement and Higher Studies (40)

Self-assessment Marks: 29.6

Assessment Points = 40 × (x + y)/N

Item	2016-17 (LYG)	2015-16 (LYGm1)	2014-15 (LYGm2)
Total No. of Final Year Students (N)	63	64	65
Number of students placed in Industries/ Hospitals/ Government sector through on/off campus recruitment or opted for Entrepreneurship (x)	14	33	40
No. of students admitted to higher studies with valid scores in various qualifying exams (y)	26	23	06
x + y =	40	53	46
Placement Index : (x + y)/N	0.63	0.88	0.71
T = Average of (X + Y)/N	0.74		
Assessment Points = 40 * T	29.60		

4.7.1 Provide the placement data in the below mentioned format with the name of the program and the assessment year:

Program Name: B. Pharmacy- Placement

Sr. No	Name of the student placed	Enrollment No	Name of Employer	Appointment order Reference No. with Date
B. Pharmacy- 2019-20 Placement				
1	Mr.Dangat A. R.	51601657B	Covance India P' ceutical Services Pvt. Ltd thane.	
2	Mr.Ganjure M.M.	51601659J	Cognizant technology solution Pvt. Ltd. Pune.	
3	Miss,Ighe A. S.	51501387M	Gebbs Healthcare Solutions Thane - Belapur Rd, Airoli, Navi Mumbai,	
4	Misss.KadA. S.	51501406M	WockhardtLimited,MIDC,Shendra ,Aurangabad.	
5	Mr.Kakade R. R.	51601625D	Ajanta Pharma Limited, B-4/5/6,MIDC ,PaithanAurangabad.	APL/PTN/HR/2020-21/12258/938
6	Miss.Pund N. S.	51601615G	Covance India Pharmaceutical Service pvt. Ltd.	
7	Mr.Rajale S. V.	51601627L	Pell Tech Health Care Pvt.Ltd.Palghar	
8	Mr.ShingadeN. A.	51601644L	Lupin Pharmaceutical ,GOA	
9	Miss.WandekarT. V.	51501407K	Indoco remedies limited,Goa.	

10	Miss.Wanjari S. A.	51601614J	Global Services pvt.ltd.	
11	Mr.Salunke A. P.	51704127J	Cipla Ltd. Unit-1, Goa.	
12	Mr.Dhorajkar S.J.	51601608D	Sanket Agency Shop no 4,Ground Floor,ShivdarshanAprt, Ahmednagar	
13	Mr.Gugale S. S.	51601607F	Sanket Agency Shop no- 4,Ground Floor,ShivdarshanAprt, Ahmednagar	
14	Mr.PandeD. K.	51704093L	GALAXY pharmaagency,Shop No.20,Shrirampur, Ahmednagar.	Licence No. MH-AHM 375221
B. Pharmacy- 2018-19 Placement				
1	Mr. Adhav Y. B.	51501377D	Cipla, Verna Industrial Estate, Verna, Goa	-
2	Mr.Aynar K.T.	59500468H	SakshiGynocareServices,Aurangabad	
3	Mr.BadakhA.A.	51601673D	Macleods, Pharmaceuticals LTD	27/07/2019
4	Miss.BalidS.N.	51601645J	GEBBS Healthcare, Aurangabad	03/10/2019
5	Mr.Bhanuse A.B.	51501397J	SakshiGynocareServices,Aurangabad	
6	Miss.ChandakS.S.	51501371E	Wockhardt, Aurangabad	21/07/2019
7	Miss.Dole M.D.	51501379L	Wockhardt, Aurangabad	21/07/2019
8	Miss.Dongare S.K.	51501400B	Om sai Medical & General stores Balepir, Beed	-
9	Miss.Gulave K.R.	51501400C	PratibhataiPawar College of Pharmacy, Shrirampur. Ahmednagar	-
10	Mr.Jadhav S.S.	51501385E	SakshiGynocareServices,Aurangabad	
11	Mr.KekareG.S.	51501369C	Anant Medical, Alandi.	-
12	Mr.Kadu O.D.	51501362F	GanelPharmaPvt.Ltd,Aurangabad	
13	Miss.Khalekar S.B.	51501361H	GeBB's Healthcare, Aurangabad	9/7/2019
14	Mr.Khemnar D.P.	51601675L	Cipla Ltd. Goa	16/9/2019
15	Mr.Khandagale A.S.	51501395H	GanelPharmaPvt.Ltd,Aurangabad	
16	Miss.Lokhande V.M.	51501370G	YashwantraoChavan College Of Pharmacy,Ahmednagar	
17	Mr.Mate M.N.	51501374K	Dr.Reddy Laboratory Ltd.Ahmednagar	25/10/2019
18	Miss.Memane A.D.	50601619K	TriveniPackaging,Aurangabad	
19	Miss. Pawar T.R.	51501388K	NandakumarShinde College of Pharmacy, Vaijapur, Aurangabad	-
20	Miss. PhopaseA.S.	51501389H	Wokhardt Ltd. Aurangabad	-
21	Mr.Pawar A.B.	50601612B	GanelPharmaPvt.Ltd,Aurangabad	
22	Mr.Rahane G.R.	51601681E	GanelPharmaPvt.Ltd,Aurangabad	
23	Miss.Salve R.S.	51501367G	Wokhardt Ltd. Aurangabad	-
24	Miss.ShelarS.D.	51501386C	GebbsPharmaAurnagabad	-
25	Miss.Shelke S.K.	51501393F	Sharda College Of Pharmacy,Ahmednagar	
26	Miss.Shinde N.A.	50501391K	Sharda College Of Pharmacy,Ahmednagar	
27	Miss.Sonawane S.S.	51601679C	Ganesh Medical &General store,Ahmednagar	
28	Mr.TodmalR.D.	51501398G	Alkem Laboratories Limited	23/08/2019
29	Miss.Thombare A.V.	59401840E	Triveni Packaging,Aurangabad	
30	Miss.Tandale S.S.	51501392H	Triveni Packaging,Aurangabad	

31	Mr.Varade R.B.	51501410K	Global Heathcare Billing Partner pvt ltd. Vadodara	GD07205 11/11/2019
32	Mr. Walunjkar R.V.	51501404E	Ajanta Pharma Ltd, B-4/5/6, MIDC Area, Paithan, Aurangabad-431148.	APL/PTN/HR/2019-20/175
33	Mr.Waybhase S.B.	51501368E	Kiltech Healthcare IndaiLtd,Airoli,Navi Mumbai-400708.Airoli,Navi Mumbai-400708	-
B. Pharmacy- 2017-18 Placement				
1	Mr.Adsure A. R.	59500464E	Samarth medical stores, A/P-Chanda, Tal-Newasa, Dist-A'nagar.	_
2	Mr.Chaware G.R.	59401848L	Tata consultancy services, TCS House, Mumbai-400001.	11/07/2018
3	Miss.Chordiya S.R.	59500470K	Trainee pharmacist, chanda, Tal-Newasa, Dist-A'Nagar.	_
4	Miss.Darade P.D.	59401845F	GeBBS Healthcare Solutions Pvt.Ltd.FirstFloor, Building no-1, Golden IT Business Park, Chikaltana, Aurangabad.	02/06/2018
5	Miss.Daware A.G.	59500469F	GeBBS Healthcare Solutions Pvt.Ltd.FirstFloor, Building no-1, Golden IT Business Park, Chikaltana, Aurangabad.	20/06/2018
6	Miss.Dhonde S.N	59401829D	Gangai college of pharmacy kadatal-ashtidist-beed.	30/06/2018
7	Miss.Dahatonde A.S.	59401850B	Durvankur Medical stores, Tal&Dist-A'Nagar	
8	Mr.Gade N.D.	59401874K	Macleods Pharmaceuticals Ltd, Andheri-kurlaroad, Andheri (East), Mumbai-400059.	22/03/2018
9	Miss.Gaikwad N.S.	59401818J	GeBBS Healthcare Solutions Pvt.Ltd.FirstFloor, Building no-1, Golden IT Business Park, Chikaltana, Aurangabad.	11/06/2018
10	Miss.Gaikwad K.A	59401886C	ShriSaiJanvikasPrathistan's, College Of Pharmacy (D.Pharm).A/P-Khandala, Tal-Vaijapur, Aurangabad.	S.S.J.P/C.P/20/2018-19/31,05/07/2018
11	Mr.Garje C.S.	59401834L	Macleods Pharmaceuticals Ltd, Andheri-kurlaroad, Andheri (East), Mumbai-400059.	22/03/2018
12	Miss.Gunjal V.B.	59401841C	Macleods Pharmaceuticals Ltd, Andheri-kurlaroad, Andheri (East), Mumbai-400059.	19/03/2018
13	Mr.Gholap S.B.	59401843K	Wockhardtltd,Aurangabad	25/08/2018
14	Miss.Hon S. P.	59401847B	SwasthyaHospital,Ahmednagar.	
15	Miss.Jaybhaye J.D.	59401853G	Sakar Healthcare Ltd. Block No.10-13,Sarkhej-Bavla Road, Village ChangodarDist-Ahmedabad.	03/10/2018

16	Miss.Kadam S.L.	59401844H	GeBBS Healthcare Solutions Pvt.Ltd.FirstFloor, Building no-1, Golden IT Business Park, Chikaltana, Aurangabad.	25/06/2018
17	Miss.Kalambe A.S.	59401823E	GeBBS Healthcare Solutions Pvt.Ltd.FirstFloor, Building no-1, Golden IT Business Park, Chikaltana, Aurangabad.	11/06/2018
18	Miss. Kale P.S.	59401827H	GeBBS Healthcare Solutions Pvt. Ltd.1st Floor, Building No. 1, Golden IT Business Park, Plot No. E-26/27, MIDC Industrial area,Chilkalthana, Aurangabad, Maharashtra 431210	11/06/2018
19	Mr.Kandekar R. S.	59401887M	Macleods Pharmaceutical Limited Atlanta Arcade, Marol Church Rd, Bori Colony, Vijay Nagar Colony West, Marol, Andheri East, Mumbai, Maharashtra 400059	MAC/TRAINEE /DIR/2018 05/07/2018
20	Mr.Kirtane S.V.	59500472F	Ajanta Pharma Limited B-4/5/6, MIDC Area Paithan Aurangabad-431148 Maharashtra-India	APL/PTN/HR/2018-19/11U 23/04/2018
21	Miss.Kshirsagar T.E.	59401889H	Ajanta Pharma Limited B-4/5/6, MIDC Area Paithan Aurangabad-431148 Maharashtra-India	APL/PTN/HR/2018-19/316,11/06/2018
22	Miss.Kute S.S.	59401837E	Macleods Pharmaceutical Limited Atlanta Arcade, Marol Church Rd, Bori Colony, Vijay Nagar Colony West, Marol, Andheri East, Mumbai, Maharashtra 400059	20/08/2018
23	Miss. Lad P.P.	59401855C	Ajanta Pharma Limited B-4/5/6, MIDC Area Paithan Aurangabad-431148 Maharashtra-India	APL/PTN/HR/2018-19/411,26/06/2018
24	Mr.Maharpude P.B.	59401851L	Macleods Pharmaceutical Limited Atlanta Arcade, Marol Church Rd, Bori Colony, Vijay Nagar Colony West, Marol, Andheri East, Mumbai, Maharashtra 400059	MAC/TRAINEE /DIR/2018,01/06/2018
25	Mr. More D.V.	59401870G	Macleods Pharmaceutical Limited Atlanta Arcade, Marol Church Rd, Bori Colony, Vijay Nagar Colony West, Marol, Andheri East, Mumbai, Maharashtra 400059	MAC/TRAINEE /DIR/2018 02/06/2018
26	Mr.Motlani A.A.	59401869C	Shafa medical stores nagarmanmad road, near S.T.standRahuri.	01/09/2018
27	Miss.Murkute S.D.	59500471H	GeBBS Healthcare Solutions Pvt. Ltd.1st	25/06/2018

			Floor, Building No. 1, Golden IT Business Park, Plot No. E-26/27, MIDC Industrial area,Chilkalthana, Aurangabad, Maharashtra 431210	
28	Miss.Panchariya S.S.	59401842M	Ajanta Pharma Limited B-4/5/6, MIDC Area Paithan Aurangabad-431148Maharashtra-India	APL/PTN/HR/2018-19/411 27/06/2018
29	Miss.PatareA.S.	59401856M	GeBBS Healthcare Solutions Pvt. Ltd.1st Floor, Building No. 1, Golden IT Business Park, Plot No. E-26/27, MIDC Industrial area,Chilkalthana, Aurangabad, Maharashtra 431210	25/06/2018
30	Miss.Patare R.D.	59401860K	GeBBS Healthcare Solutions Pvt. Ltd.1st Floor, Building No. 1, Golden IT Business Park, Plot No. E-26/27, MIDC Industrial area,Chilkalthana, Aurangabad, Maharashtra 431210	24/08/2018
31	Miss.Phajage S.R.	59401838C	GeBBS Healthcare Solutions Pvt. Ltd.1st Floor, Building No. 1, Golden IT Business Park, Plot No. E-26/27, MIDC Industrial area,Chilkalthana, Aurangabad,Maharashtra 431210	02/06/2018
32	Mr.PanjawaleP.k.	59302428B	Mauli Medical & General Store,Aurangabad.	
33	Miss.RajhansR.S.	59401879L	MES's, College of Pharmacy, Sonai.	_
34	Miss.RaskarP.B.	59500466M	Dr.N.G.Paulbudhe College of Pharmacy, A'nagar.	27/06/2018
35	Miss.Shirsath A.J.	59401867G	Dr.N.J.Paulbudhe College of Pharmacy, A'nagar.	27/06/2018
36	Mr.Salve G.B.	59302435E	Sai Medical and General Stores,Sonai,Tal-Newasa	
37	Mr. Tote H.D.	59401882L	GeBBS Healthcare Solutions Pvt. Ltd.1st Floor, Building No. 1, Golden IT Business Park, Plot No. E-26/27, MIDC Industrial area,Chilkalthana, Aurangabad.	
38	Mr.Unhale S.R.	59401861H	Systroniclab.pvt.limt. 305 Pragati Chambers, Commrecial complex, Ahemednager.	24/08/2018
39	Mr. Wade K.R.	59401857K	Ajanta Pharma Limited B-4/5/6, MIDC Area Paithan Aurangabad-431148,Maharashtra-India	APL/PTN/HR/2018-19/411 23/04/2018
40	Mr.Yelwande S.J.	59500465C	Ajanta Pharma Limited B-4/5/6, MIDC Area Paithan Aurangabad-431148, Maharashtra-India	MAC/TRAINEE /DIR/2018 02/06/2018

Program Name: B. Pharmacy - Higher Studies

Sr. No	Name of Student	Enrollment No	Name of Institute
B.Pharmacy-2019-20 Higher Studies			
1	Miss.Bangera K. B.	51601630L	Saraswati vidyabhavan's college of pharmacy, dombivli, Mumbai.
2	Mr.Bhabad D. R.	51601667K	Progressive Education society's Modern college of pharmacy Nigdi, pune.
3	Mr.Chadedar S. K.	51601647E	Rajgad Dnyanpeeth's college of Pharmacy, bhor, Pune.
4	Miss. Deokar R. M.	51601636K	Amrutvahini college of pharmacy,sangamner
5	Mr.Dongare A. M.	51501372C	Vishal Institute Of Pharmaceutical Education And Research, Alephata,Dist- Pune
6	Mr.Ghawate V. D.	51601642D	RajgadDnyanpeeth's college of Pharmacy, bhor, Pune.
7	Mr.Gholap A. N.	51601635M	NDMVP samajs college of pharmacy, Nasik
8	Mr.Jagirwar A. M.	51601651C	S.M.B.T.College of Pharmacy, Nandi Hills, Dhamangaon.
9	Mr.James A. A.	51601622K	BharatiVidyapeeth College of Pharmacy,Belapur
10	Miss.Joshi A. R.	51601624F	Mula Education Society's College of Pharmacy, Sonai.
11	Mr.Kale C. A.	51601649M	PDVVF's, College of Pharmacy, ViladGhat, A'nagar.
12	Mr.Karne M. M.	51601683M	RajgadDnyanpeeth's college of Pharmacy, bhor, Pune.
13	Mr.Khamkar S. A.	51601621M	PDVVF's, College of Pharmacy, ViladGhat, A'nagar.
14	Miss.Kulkarni S. S.	51601643B	PDVVF's, College of Pharmacy, ViladGhat, A'nagar.
15	Mr.Murkute V. S.	51601626B	Maulana Azad Education Society's, Y.B.Chavan College of Pharmacy, Aurangabad.
16	Miss.Netne S. A.	51601665C	Modern college of Pharmacy, Pune
17	Mr.Pamsambal P. B.	51601660B	PDVVF's ,college of Pharmacy,A.nagar
18	Miss.Phophase B. K.	51601662J	Amrutwahini college of Pharmacy,Sangmner
19	Mr.Sangale D. P.	51601650E	PDVVF's ,college of Pharmacy,A.nagar
20	Mr.ShindeT.B.	51601628J	RajgadDnyanpeeth, college of Pharmacy,Bhor
21	Mr.Sonawane R. V.	51601610F	Mula Education Society college of Pharmacy, Sonai
22	Miss.Sule S. M.	51601661L	Mula Education Society college of Pharmacy, Sonai
23	Mr.Zende R. D	51601648C	Mula Education Society's College of Pharmacy, Sonai.
24	Mr.YadavA.A.	51501384G	Mula Education Society's College of Pharmacy, Sonai.
25	Miss. Borude S.D.	51704096E	Mula Education Society's College of Pharmacy, Sonai.
26	Mr.SonawaneV. A.	51601611D	Lotus Business Management ,Pune
B.Pharmacy-2018-19 Higher Studies			
1	Mr.Amate P. K.	51501412F	NIPER, Ahmadabad
2	Mr.Bankar R. B.	51501382L	RC Patel Institute of Pharmaceutical Education & Research, Shirpur
3	Mr.Bhanuse A.K.	51501397J	DY Patil Inst. Management Studies, Akurdi Pune
4	Mr.Domale R.M.	51501405C	Maulana Azad Education Society's, Y.B.Chavan College Of Pharmacy, Aurangabad.
5	Miss.Darkunde J.B.	51601655F	ShankarraoUrsal College Of Pharmacy & Research Center,Kharadi Pune
6	Mr.Ghule V.M.	51501409F	RC Patel Institute of Pharmaceutical Education

			&Research, Shirpur.
7	Mr. Gore G.D.	51501416J	Dr. VitthalraoVikhePatil F. COP. Ahmednagar
8	Mr.Harde G.D.	51501395B	DY Patil Inst. Management studies, Akurdi Pune
9	Mr.Harale A.B.	59401865L	Progressive Education Society's, Modern College Of Pharmacy,Pune
10	Miss.Jadhav K. P.	51601652M	Amrutvahini College of Pharmacy,Sangamner
11	Mr.Jagtap V. J.	51501402J	SGRS College of Pharmacy, Saswad,Pune
12	Mr.Jangale S.K.	51501359F	SGRS College of Pharmacy, Saswad,Pune
13	Mr.KaleD.B.	51501381B	BharatiVidyapith College of Pharmacy,Navi Mumbai
14	Mr.Khilari A.Z.	51501399E	RajarshiShahu College of Pharmacy, Pune
15	Mr.Lande V.B.	51601672F	SGRS College of Pharmacy, Saswad,Pune
16	Mr.Mane P.A.	51501383J	MES's, College of Pharmacy, Sonai.
17	Mr.Mulay A.R.	51501401L	Government College of Pharmacy, Amaravati.
18	Mr.Ohal D.K.	51601682C	Dr. VitthalraoVikhePatil Foundation's, College of Pharmacy. Ahmednagar.
19	Miss.Pawal S.K.	51601620C	Progressive Education Society's, Modern College Of Pharmacy,
20	Mr.Shembde K.K.	51501364B	Maulana Azad Education Society's, Y.B.Chavan College Of Pharmacy, Aurangabad.
21	Mr.Tambe S.S.	51501373M	Amrutvahini College of Pharmacy, Sangamner
22	Miss.Wabale K.A.	51501403G	Pravara Rural Education Society's, Pravara Rural College Of Pharmacy, Pravaranagar.
23	Miss. Walhekar K.K.	51501376F	Dr. VitthalraoVikhePatil Foundation's, College of Pharmacy, Ahmednagar
B.Pharmacy-2017-18 Higher Studies			
1	Mr.Sake P.N.	59401881B	Government College of Pharmacy, Kharad, Satara.
2	Miss.Gaydhane S.B.	59401875H	BhartiVidyapeethUniversity, Poona College Of Pharmacy, Erandawane, Paud road, Pune-411038.
3	Mr.Kanhe A.K.	59401866J	Allana college of pharmacy Pune2390 / B - K. B. Hidayatullah Road, New Modikhana, Azam Campus, Camp, Pune, Maharashtra 411001
4	Miss.Bourde S.R.	59401858H	PDVVPF's College of Pharmacy, Viladghat, Dist-Ahmednagar.
5	Miss.Gite V.Z.	59401822G	Amrutvahini college of Pharmacy, Sangamner, Dist-Ahmednagar.
6	Miss.Sherkar P.S.	59401846D	Amrutvahini college of Pharmacy, Sangamner, Dist-Ahmednagar.

4.8. Professional Activities (20)

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

Self assessment Marks: 05

Nature of activity	Title of activity	Name of resource persons	Date	Associated professional body/society	No. of volunteers /students participated	Relevance with PO,s
Academic year 2020-21						
Institute Level						
Pharmacist Day	Pharmacist Day Celebration	All faculty members and students of MESCOP,Sonai	25/09/2020	MESCOP Sonai	40	PO1,PO2,PO6,PO7,PO9, PO11
NSS Regular Activity	Dr. BabasahebAmbedkar Birth Anniversary	MESCOP Sonai Students	14/4/2021	MESCOP Sonai	100	PO2,PO6, PO9,PO11
	Mask Distribution	MESCOP Sonai Students	26/5/2020	MESCOP Sonai Students	100	PO2,PO6, PO9,PO11
	Sanitizer Distribution	MESCOP Sonai Students	27/5/2020	MESCOP Sonai Students	100	PO2,PO6, PO9,PO11
	Volunteers at ration	MESCOP Sonai Students	30/6/2020	MESCOP Sonai Students	100	PO2,PO6, PO9,PO11
	Tree Plantation	MESCOP Sonai Students	5/7/2020	MESCOP Sonai Students	100	PO2,PO6, PO9,PO11
NSS Regular Activity	Cleaning Activity	MESCOP Sonai Students	9/8/2020	MESCOP Sonai Students	100	PO2,PO6, PO9,PO11

	Marathi BhashaDin	MESCOP Sonai Students	27/2/2020	MESCOP Sonai Students	100	PO2,PO6, PO9,PO11
	International Woman's Day	MESCOP Sonai Students	8/3/2021	MESCOP Sonai Students	100	PO2,PO6, PO9,PO11
	Vaccination Awareness	MESCOP Sonai Students	15/5/2021	MESCOP Sonai Students	100	PO2,PO6, PO9,PO11
	Covid 19 Awareness	MESCOP Sonai Students	18/4/2021-26/4/2021	MESCOP Sonai Students	100	PO2,PO6, PO9,PO11
Yoga Day Celebration	Yoga Day	Due to pandemic celebrated at home	26/06/2020	MESCOP Sonai	100	PO2,PO4,PO5, PO8, PO11
Guest Lecture	Career opportunity in QA and How to face an Interview.	Mrs. RajeshriKekan QA Manager Shefa Healthcare Pvt. Ltd. Mumbai.	16/7/2021	MESCOP Sonai	146	PO1,PO2,PO6,PO7,PO8, PO9,PO10,PO11
Webinar Series	Career opportunity in Regulatory affairs.	Mrs. PreetiKasa Patent Association NOVO IP, Pune.	14/7/2021	MESCOP Sonai	146	PO1,PO2,PO6,PO7,PO8, PO9,PO10,PO11
	Career Opportunities after Graduation	Dr. Prashant D. Aragade	2/7/2021	MESCOP Sonai	72	PO1,PO2,PO6,PO7,PO8, PO9,PO10,PO11
	Career Opportunities In Central and State government	Prof. MeenaJagtap	3/7/2021	MESCOP Sonai	72	PO1,PO2,PO6,PO7,PO8, PO9,PO10,PO11

	Business Opportunities In Pharmaceutical Sector	Mr. Bhalchandra M. Habade	13/7/2021	MESCOP Sonai	72	PO1,PO2,PO6,PO7,PO8, PO9,PO10,PO11
GPAT Preparation	GPAT Preparation - 2021	Mr. VijaykumarChakote Pharmastar Academy, Nanded	24/04/2021	MESCOP Sonai	98	PO1,PO2,PO6,PO7,PO8, PO9,PO10,PO11
	GPAT Preparation - 2021	Mr. AbhishekTripathi Pharmaelite Academy, Mumbai	10/04/2021	MESCOP Sonai	100	PO1,PO2,PO6,PO7,PO8, PO9,PO10,PO11
Academic year 2019-20						
Institute Level						
Pharmacist Day	Pharmacist Day Celebration	All faculty members and students of MESCOP,Sonai	25/09/2019	MESCOP Sonai	150	PO1,PO2,PO6,PO7,PO9, PO11
GPAT Preparation	GPAT Preparation - 2020	Dr. RajendraPatil Associate Professor, JSPM college of pharmacy, Tathwade, Pune.	03/08/2019	MESCOP Sonai	98	PO1,PO2,PO6,PO7,PO8, PO9,PO10,PO11
Guest Lecture	Entrepreneurship Development	Mr. SandipJadhav Amrut Pharmaceuticals , Solapur	19/08/2019	MESCOP Sonai	65	PO1,PO2,PO6,PO7,PO8, PO9,PO10,PO11
	Young Inspiration Network (YIN Discussion)	Adv. Dr. Bothe B.J. Executive Editor, Sakal News, Ahmednagar	16/08/2019	MESCOP Sonai	53	PO1,PO2,PO6,PO7,PO8, PO9,PO10,PO11
	"Stability Studies"	Mr. Anil Funde Senior Manager, Gennova Biopharmaceuticals Pvt.	14/9/2019	MESCOP Sonai	62	PO1,PO2,PO6,PO7,PO8, PO9,PO10,PO11

		Ltd.,Pune.				
	Personality development and stress management.	Mr. GirishP.Kukreja Professor and HOD Dept micro. New arts and commerce college Ahmednagar.	23/1/2020	MESCOP Sonai	68	PO1,PO2,PO6,PO7,PO8, PO9,PO10,PO11
	Effective and safe medicine for all.	Dr. V.S. More Asst. Professor Amrutvahini college of pharmacy, Sangamner.	25/9/2019	MESCOP Sonai	95	PO1,PO2,PO6,PO7,PO8, PO9,PO10,PO11
	Pharmacological Research Scenario	Dr. NitinNema SVKM's Institute of Pharmacy, Pune.	13/02/2020	MESCOP Sonai	63	PO1,PO2,PO6,PO7,PO8, PO9,PO10,PO11
	Drug Regulatory Affairs	Mr. AmolBhos Manager Alkem Ltd. Mumbai	22/02/2020	MESCOP Sonai	64	PO1,PO2,PO6,PO7,PO8, PO9,PO10,PO11
	Current challenges in Regulatory Dept.	Mr. MangeshChitriveker Manager Cipla, Mumbai	22/2/2020	MESCOP Sonai	64	PO1,PO2,PO6,PO7,PO8, PO9,PO10,PO11
	cGMP Guidelines of USFDA	Mr. RajendraPagadal Indoco Remedies.	22/02/2020	MESCOP Sonai	64	PO1,PO2,PO6,PO7,PO8, PO9,PO10,PO11
	USFDA Guidelines	Mr. UmakantBanait Dy. Mgr. Q.A. Mylan Lab, Ltd.	07/03/2020	MESCOP Sonai	65	PO1,PO2,PO6,PO7,PO8, PO9,PO10,PO11
Webinar Series-2020	Liposomes	Dr. Sunil Pande Dy. Mgr. F & D Bharat Serum Pvt. Ltd	07/05/2020	MESCOP Sonai	98	PO1,PO2,PO6,PO7,PO8, PO9,PO10,PO11

	Stress Management	Dr. ManojJograna ShankarraoUrsal College of Pharmacy, Pune.	08/05/2020	MESCOP Sonai	97	PO1,PO2,PO6,PO7,PO8, PO9,PO10,PO11
	Good Clinical Practice in Clinical Research	Mr. PravinDeotarse Clinical Project Manager Cipla Ltd Mumbai	08/05/2020	MESCOP Sonai	95	PO1,PO2,PO6,PO7,PO8, PO9,PO10,PO11
	Pharma Manufacturing Process (OSD)	Mr. RohitBadhe Manager-Production Wockhardt Ltd, Aurangabad	10/05/2020	MESCOP Sonai	92	PO1,PO2,PO6,PO7,PO8, PO9,PO10,PO11
	Intellectual Property Right (IPR)	Mr. MahendraGunjal Manager-Global IP, Zydus GroupAhmedabad, Gujrat.	11/05/2020	MESCOP Sonai	94	PO1,PO2,PO6,PO7,PO8, PO9,PO10,PO11
	Overviews on Clinical Research and Job opportunities	Mr. Anil Bhojvani Manager Medical Writing and Medical Information Kinapse Ltd, Gurgaon	15/05/2020	MESCOP Sonai	95	PO1,PO2,PO6,PO7,PO8, PO9,PO10,PO11
Industrial Visit	Industrial Visit	Expertise of Adora Products Pvt.Ltd,Aurangabad	07/03/2020	Adora Products Pvt.Ltd,Aurangabad	66 students and 3 Faculty members	PO1,PO2,PO3,PO4,PO5,PO6 PO7,PO8,PO9,PO10,PO11
Certificate Course	Five days certificate course in Handling of Analytical Equipments	Dr.P.B.Mohite, Dr.J.G.Wagh, Prof.A.V.Ghule, Prof.K.B.Agale	5/08/2019 - 7/08/2019	Department of Pharmaceutical Chemistry MESCOP,Sonai.	50	PO1,PO2,PO3,PO4, PO9,PO11
Certificate Course	Three days certificate course in	Dr.A.R. Pawar Mr. A.A. Aher Mr. S.R. Firodiya	11/09/2019-13/09/2019	Department of Pharmaceutics MESCOP,Sonai	55	PO1,PO2,PO3,PO4, PO9,PO11

	Handling of IPQC apparatus	Mr. K.B.Agale Mr. A.B. Katarnaware				
Visit to Central Instrumentation Facility Dept.	Visit to Central Instrumentation Facility Dept.SPPU, Pune	Expertise of CIF Dept.Pune.	29/09/2019	Central Instrumentation Facility Department SPPU, Pune.	61	PO1,PO2,PO4, PO9,PO10,PO11

Academic year 2018-19

Nature of activity	Title of activity	Name of resource persons	Date	Associated professional body/society	No. of volunteers /students participated	Relevance with PO,s
National Level						
National level seminar	"Recent Innovations in Pharmaceutical Sciences"	Dr. S. S.Chitlange Dr. M. N. Saraf Dr. R. B. Laware Mr. S. Kokare Mr. AmolKhetre Dr. S. N. Nirmal Dr. S. G.Khanage Dr. S. Angadi	15/02/2019-16/02/2019	SPPU	170	PO1,PO2,PO5,PO8,PO11
Institute Level						
Pharmacist Day	Pharmacist Day Celebration	All faculty members and students of MESCOP,Sonai	25/09/2018	MESCOP Sonai	150	PO1,PO2,PO6,PO7,PO9, PO11
National Pharmacy Week Celebration	Blood Donation Camp	MESCOP Sonai Students	4/1/2019	MESCOP Sonai	53	PO2,PO3,PO4,PO5, PO8,PO9,PO11
	Dental Check Up	Dental College Students	7/1/2019	MESCOP Sonai	50	PO2,PO3,PO4,PO5, PO8,PO9,PO11

	Heamoglobin check up	MESCOP Sonai Students	4/1/2018	MESCOP Sonai	50	PO2,PO3,PO4,PO5, PO8,PO9,PO11
	Herberium preparation of medicinal plants in Mali-chinchore.	MESCOP Sonai Students	7/1/2019	MESCOP Sonai	50	PO1,PO2,PO3,PO4, PO9,PO11
	AIDS Awareness rally	MESCOP Sonai Students	1/12/2018	MESCOP Sonai	70	PO2,PO3,PO4,PO5, PO8,PO9,PO11
Industrial Visit	Industrial Visit	Expertise of Adora Products Pvt.Ltd,Aurangabad	16/03/2019	Adora Products Pvt.Ltd,Aurangabad	63 students and 4 Faculty members	PO1,PO2,PO3,PO4,PO5,PO6PO7,PO8,PO9,PO10,PO11
GPAT Preparation Lectures	Competitive exam like GPAT/NIPER preparation target 2019	Dr. MachindraBochare Director,Academy of Niper Aspirants(ANA) Nashik.	04/07/2018	MESCOP Sonai	75	PO1,PO2,PO3,PO4,PO9,PO11
	GPAT-examination preparation-2019	Prof. Pratap B. Pawar MET Institute of Pharmacy, Bhujbal Knowledge City, Nashik	26/07/2018	MESCOP Sonai	50	PO1,PO2,PO3,PO4, PO9,PO11
GPAT Preparation Test Series	GPAT Preparation online Test Series	Dr. Anwar. R. Shaikh, Professor, Allana College of Pharmacy. Pune,	09/08/2017-27/01/2018	Dr. Anwar. R. Shaikh, Professor, Allana College of Pharmacy. Pune,	50	PO1,PO2,PO3,PO4, PO9,PO11

Personality development workshop	Personality Development and Career Success	Dr. Jagannathrao, Parapsychologist, Bangalore	20/08/2018-21/08/ 2018	MESCOP Sonai	115	PO2,PO3,PO4,PO5,PO6,PO8, PO9,PO11
Guest Lecture	Herbal Drugs and Phytopharmaceuticals-method development current prospective	Mrs. AboliGirme Manager,Pharmanza Herbal Pvt. Ltd. Gujrat	17/07/2018	MESCOP Sonai	60	PO1,PO2,PO3,PO4, PO9,PO11
	CO-PO Mapping in NBA accreditation	Dr. Santosh S. Bhujbal Professor, Dr. D.Y.Patil Institute of pharmaceutical sciences and Research,Pune	23/10/2018	MESCOP Sonai	25	PO1,PO2,PO3,PO4, PO9,PO11
	Pharmacist Expert of medicines.	Dr. SachidanandAngadi, Principal, Yash Institute of Pharmacy,Aurangabad.	25/09/2018	MESCOP Sonai	80	PO1,PO2,PO3,PO4,PO9,PO11
	NBA accreditation process.	Dr. S.R.Arote, Principal, Sangivani College of pharmaceutical education and research, Kopargaon.	17/10/2018	MESCOP Sonai	25	PO1,PO2,PO3,PO4, PO9,PO11

	NBA accreditation process.	Dr. R.D. Bhalke, Associate Professor, Sangivani College of pharmaceutical education and research, Kopargaon.	17/10/2018	MESCOP Sonai	25	PO1,PO2,PO3,PO4, PO9,PO11
Certificate Course	Two days certificate course in Handling of Analytical Equipments	Dr.P.B.Mohite, Dr.J.G.Wagh, Prof.A.V.Ghule, Prof.K.B.Agale	13/12/2018 - 14/12/2018	Pharmaceutical Chemistry Department MESCOP,Sonai .	22	PO1,PO2,PO3,PO4, PO9,PO11
Yoga Day Celebration	Yoga Day	Mr.TuwarPatil, Yoga Teacher.	21/06/2018	MESCOP Sonai	180	PO2,PO4,PO5, PO8, PO11

Academic year 2017-18

Nature of activity	Title of activity	Name of resource persons	Date/venue	Associated professional body/society	No. of volunteers /students participated	Relevance with PO,s
National Level						
National level seminar	SavitribaiPhule Pune University sponsored two days national conference on "Intellectual Property Rights: New Age Challenges	Dr. Sanjay Toshniwal, Dr. Sangshetti J. N., Dr. M. G. Kalaskar, Dr. Ashok P. Giri, Dr. PrashantPatankar, Dr. Vishal Pande	16/02/2018- 17/02/2018	SPPU, Pune	150	PO1,PO2,PO5,PO8,PO 11

Institute Level						
Pharmacist Day	Pharmacist Day Celebration	All faculty members and students of Institute	25/09/2017	MESCOP Sonai	210	PO1,PO2,PO6,PO7,PO9,PO11
National Pharmacy Week Celebration	Blood Donation Camp	MESCOP Sonai Students	4/1/2018	MESCOP Sonai	53	PO2,PO6, PO9,PO11
GPAT Preparation	GPAT preparation and how to solve online GPAT questions.	Dr. Anwar sheikh Professor, Allana college of pharmacy, Pune	24 /09/2017	MESCOP Sonai	75	PO1,PO2,PO3,PO4, PO9,PO11
Personality development workshop	Your abilities are unique honour them	Mr. TarachandJaisinghpure Subtle and beyond organization, Ahmednagar	08 /01/2018	MESCOP Sonai	85	PO2,PO3,PO4,PO5,PO6,PO8,PO9,PO11
Guest lecture s	Structural Interpretation	Dr. R.P.Marathe Professor Govt. college of pharmacy, Aurangabad	12/12/ 2017	MESCOP Sonai	50	PO1,PO2,PO3,PO4,PO5,PO8, PO11
	Drug regulatory affairs in pharma industry	Mr. Prasad Gadakh Team Leader, DRA Mylan Lab, Bangalore	26/08/ 2017	MESCOP Sonai	70	PO1,PO2,PO3,PO4,PO5,PO8, PO11
	Analytical method development and validation as per ICH Guideline	Dr. VandanaPatil Professor, Yash Institute of pharmacy, Aurangabad	23/09/2017	MESCOP Sonai	50	PO1,PO2,PO3,PO4,PO5,PO8, PO11
	Application of computer	Prof Sayyed B.N. ACS College Sonai	16/12/2017	MESCOP Sonai	50	PO1,PO2,PO3,PO4,PO5,PO8, PO11
Industrial Visit	Industrial Visit	Expertise of Adora Products Pvt.Ltd, Aurangabad	26/03/ 2018	Adora Products Pvt.Ltd,Aurangabad	50 students and 03 Faculty members	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10, PO11

Certificate Course	Four days certificate course in Handling of Analytical Equipments	Dr.P.B.Mohite, Prof.J.G.Wagh, Prof.A.V.Ghule	12/12/2017 - 15/12/2017	Pharmaceutical Chemistry Department MESCOP,Sonai.	22	PO1,PO2,PO3,PO4, PO9,PO11
	Care and handling of laboratory animals & experimental techniques	Dr.R.B.Pandhare	17/10/2017 - 22/10/2017	Pharmacology Department MESCOP,Sonai	38	PO1,PO2,PO3,PO4, PO9,PO11
	Handling of IPQC Apparatus	Dr.A.R. Pawar Prof.A.A. Aher	06/06/2017 - 10/06/2017	Pharmaceutics Department MESCOP,Sonai	28	PO1,PO2,PO3,PO4, PO9,PO11
NSS Camp	Dental Check Up	Dental College Students	7/1/2018	MESCOP Sonai	50	PO2,PO6, PO9,PO11
	Hemoglobin check up	MESCOP Sonai Students	4/1/2018	MESCOP Sonai	50	PO2,PO6, PO9,PO11
	AIDS Awareness rally	MESCOP Sonai Students	1/12/2017	MESCOP Sonai	70	PO2,PO6, PO9,PO11
Yoga Day Celebration	Yoga Day	Mr.TuwarPatil, Yoga Teacher.	21/06/2017	MESCOP Sonai	170	PO2,PO4,PO5, PO8, PO11

4.8.2. Publication of Technical Magazines, Newsletters, etc. (5)

Self-assessment Marks: 05

Type of publication	Name of publication	Technical Magazine / Newsletter	Faculty Editors/ Authors	Year of Publication	Frequency
Newsletter	PHARMADARPAN -2021	E-Newsletter	Mrs. V.S. Jadhav Mr. Agale K.B.	2021	Annually
Newsletter	PHARMADARPAN -2020	E-Newsletter	Mrs. V.S. Jadhav Mrs. M.D. Sonawane	2020	Annually
Newsletter	PHARMADARPAN -2019	E-Newsletter	Mrs. V.S. Jadhav Mrs. M.D. Sonawane	2019	Annually
Souvenir	Success publication	Technical Magazine	Dr. R.B. Pandhare	2019	Annually
College Admission Brochure	MES College of Pharmacy,Sonai	Technical Magazine	Dr.V.K.Deshmukh	2019	Annually
Newsletter	PHARMADARPAN -2018	E-Newsletter	Dr.J.G.Wagh Prof.S.T.Gade	2018	Annually
Souvenir	MES College of Pharmacy,Sonai	Technical Magazine	Dr. R.B. Pandhare	2018	Annually
College Admission Brochure	MES College of Pharmacy,Sonai	Technical magazine	Dr.V.K.Deshmukh	2018	Annually
Newsletter	PHARMADARPAN -2017	E-Newsletter	Prof. S.R.Firodiya Mrs. J.G. Wagh	2017	Annually
Souvenir	MES College of Pharmacy,Sonai	Technical magazine	Dr. R.B. Pandhare	2017	Annually
College Admission Brochure	MES College of Pharmacy,Sonai	Technical Magazine	Dr.V.K.Deshmukh	2017	Annually

4.8.3. Participation in inter-institute events by students of the program of study (10) **Self-assessment Marks: 10**

(Provide a table indicating those publications which received awards in the events/conferences organized by other institutes)

Academic Year 2020-21

Name of student	Event	Activity	Organized by	Dates	Impact	Relevance with PO,s
Inter-institute						
1.Kharad S.D.	1 st International Conference on Climate Change and its Effect on Biodiversity,Commerce and Economocs.	Oral Presentation	Arts Commerce and Science College, Sonai	28/2/2020-29/2/2020	First	PO1,PO3,PO5,PO11
2.Jadhav V.R.	1 st International Conference on Climate Change and its Effect on Biodiversity,Commerce and Economocs.	Oral Presentation	Arts Commerce and Science College, Sonai	28/2/2020-29/2/2020	Consolation	PO1,PO3,PO5,PO11
1. Shinde G.S.	General Health Knowledge Quiz 2020	Quiz Competition	College of Pharmacy, Shevgaon	28/4/2020	Completed	PO1,PO3,PO5,PO11
1.Sonawane P.R.	COVID-19 Awareness Quiz	Quiz Competition	PIRENS Technical Campus,Loni	10/5/2020	Completed	PO1,PO3,PO5,PO11
1.Damale S.A.	SPER National E-Poster Competition	E-Poster Competition	Society of Pharmaceutical Education and Research India	17/5/2020	Participated	PO1,PO3,PO5,PO11

1. Lambe P.D.	Seven Day Online Student Development Program on topic "E-Learning :Blackboard to Broadband"	Student Development Program	SatishPradhanDnyanasadhana College Thane	30/6/2020-6/7/2020	Completed	PO1,PO3,PO5,PO11
1. Sonawane P.R. 2.Bhande A.D.	Spit Free India Movement	Spit Free India Movement	National Service Scheme, India	1/6/2020-30/8/20202	Participated	PO1,PO3,PO5,PO11
1.Thorat S.B.	World Pharmacist Day	National Pharma Quiz Competition	Saikrupa Institute of Pharmacy,Gharg aon.	25/9/2020	Participated	PO1,PO3,PO5,PO11
1.Damale S.A.	E-Poster Competition on Role of Pharmacist in Management of covid-19	E-Poster Competition	Anand Charitable Sansthas College of Pharmaceutical Sciences and Research ,Ashti	9/9/2020	Participated	PO1,PO3,PO5,PO11
1.Jadhav V.R. 2.Kharad S.D.	SWAYAM ONLINE COURSE CERTIFICATION-Credit Course on Analytical Techniques	Credit Course on Analytical Techniques	All India Institute of Medical Sciences ,New Delhi	30/3/2021	First Class score	PO1,PO3,PO5,PO11
1.Rane N.P.	SWAYAM ONLINE COURSE CERTIFICATION-Industrial Pharmacy-I	Credit Course on Industrial Pharmacy-I	HNB Garhwal University	30/3/2021	Distinction score	PO1,PO3,PO5,PO11
1.Dhonde S.N.	AICTE –ISTE Approved Orientation Programme	AICTE –ISTE Approved Orientation Programmeon	K.K.Wagh Polytechnic, Nashik,	3/5/2021-8/5/2021	Completed	PO1,PO3,PO5,PO11

		-"Introduction to Moodle for Teaching Learning Process"	Maharashtra			
1.Mhasane G.A.	Occasion of π Approximation Day Online Quiz "Math Marathon-2021" competition	Online Quiz "Math Marathon-2021" competition	MIT School of Engineering	22/7/2021	Participated	PO1,PO3,PO5,PO11
1. Mhasane G.A.	Online Quiz competition	Online Quiz competition for "Awareness of the Development of Renewable Energy"	Pravara Rural College of Architecture, Loni	1/8/2021	Participated	PO1,PO3,PO5,PO11
1.Damale S.A. 2.Wahutre D.D. 3.Gorde A.M. 4.Shaik Z.M. 5.Banker S.S. 6.Lambe P.D. 7.Bhande A.D. 8.Shete A.A.	MajhiVasundhara is an initiative by the Department of Environment and Climate Change, Govt. Of Maharashtra. Itwill motivate each citizen to take a conscious and collaborative effort towards the betterment of the environment by	The Environment and Climate Change Department , Govt. of Maharashtra has taken up a holistic initiative, MajhiVasundh	The Environment and Climate Change Department , Govt. of Maharashtra	9/10/2021	Participated	PO1,PO3,PO5,PO11

9.Foke R.R.	small actions/ changes to be taken by the citizens in their day-to-day life.	ara (My Earth)				
1.Sayyed U.M.	One Day Virtual Conference on "Emerging Trends in Medicinal Chemistry"	One Day Virtual Conference	Department of Medicinal Chemistry, National Institute of Pharmaceutical Education and Research (NIPER) GUWAHATI	29/10/2021	Participated	PO1,PO3,PO5,PO11
1.Shelke R.A. 2. Shelke S.S.	FIP Digital Event on Supporting self-care: sore throat	FIP Digital Event	International Pharmaceutical Federation	23/11/2021	Participated	PO1,PO3,PO5,PO11
1.Shinde G.S.	Pharma Courses platform webinar "Management of anemia in patient with chronic kidney disease"	Webinar "Management of anemia in patient with chronic kidney disease"	Pharma Courses the educational platform for Pharmacist and Doctors	23/11/2021	Passed	PO1,PO3,PO5,PO11
1.Dhere P.J.	SWEDEN ALUMINI NETWORK ,Plastic Free Week-2021 Challenges	Plastic Free Week-2021 Challenges	SWEDEN ALUMINI NETWORK	1/11/2021-20/11/2021	Participated	PO1,PO3,PO5,PO11
Intra-institute						
1.Shinde G.S.	COVID-19 Awareness Quiz Program	Quiz Program	MES College of Pharmacy, Sonai	30/4/2020	100% score	PO2,PO3,PO5,PO8,PO11

1.Wahutre D.D.	Two Day Webinar	Two Day Webinar	IQAC of MES College of Pharmacy, Sonai	06/05/2020 - 07/05/2020	Participated	PO2,PO3,PO5,PO8,PO11
1.Hodshil R.G.	Three Day Online Webinar Series on "Pharmaceutical Manufacturing.IPR and GCP"	Three Day Online Webinar Series	MES College of Pharmacy, Sonai	9/5/2020-11/5/2020	Participated	PO2,PO3,PO5,PO8,PO11
1.Shinde G.S.	Webinar Series on "Career Opportunities in Pharmacy"	Two Day Online Webinar	MES College of Pharmacy, Sonai	2/7/2021-3/7/2021	Participated	PO2,PO3,PO5,PO8,PO11

Academic Year 2019-20

Name of student	Event	Activity	Organized by	Dates	Impact	Relevance with PO,s
Inter-institute						
1.Miss.Sule S.M. 2. Miss. Pund N.S. 3.Mr. Khamker S.A. 4. Miss. Salunke K.S. 5. Miss. Khedker S.S. 6.Mr.Patel J.A.	Avishkar-2020	DISTRICT LEVEL RESEARCH COMPETITION	SPPU PUNE	1/11/2019-15/11/2019	Selected for University level	PO1,PO3,PO5,PO11
1. Miss. Sule S.M. 2. Miss. Pund N.S. 3. Miss. Salunke K.S. 4. Miss. Khedker S.S. 5. Mr.Patel J.A.	Avishkar-2020	ZONAL LEVEL RESEARCH COMPETITION	SPPU PUNE	1/11/2019-15/11/2019	Participated	PO1,PO3,PO5,PO11
1.Mr.KhamkarS.A. 2. Mr.Patel J.A.	SanjivaniAvishkar-2020	National level research competition	Sanjivani College of Pharmaceutical Education and Research,	15/03/2020	Participated	PO1,PO3,PO5,PO11

			Kopargaon			
1. Mr.Khamkar S.A. 2. Mr.Jadhav V.R. 3. Miss. Kharad S.D.	ICCCBCE-2020	International conference	Arts, Commerce and Science College, Sonai	28/02/2020 & 29/02/2020	Participated	PO1,PO3,PO5,PO11
1. Mr.KhamkarS.A. 2. Mr.Patel J.A.	Poster Presentation Competition	State level Poster Presentation	Samarth Institute of Pharmay, Belhe	7/2/2020	Participated	PO1,PO3,PO5,PO11
1. Mr.Khamkar S.A.	University sponsored national conference	Oral Presentation	Amrutvahini College of Pharmay, Sangamner	14/2/2020 & 15/02/2020	First	PO1,PO3,PO5,PO11
1.Mr. Gavhane S.R. and Group	AAGNEUM-2020,Quiz Competition	Inter-institute Competition	IMS College Ahmednagar	13/2/2020	Participated	PO2,PO3,PO5,PO8,PO11
1. Miss. Salve P.R. and Group	AAGNEUM-2020,MOCK PRESS Competition	Inter-institute Competition	IMS College Ahmednagar	13/2/2020	Renner Prize	PO2,PO3,PO5,PO8,PO11
1.Miss.Ithape V.A. and Group	AAGNEUM-2020,Face Painting Competition	Inter-institute Competition	IMS College Ahmednagar	13/2/2020	Participated	PO2,PO3,PO5,PO8,PO9,PO11
1.Miss.Bhujbal S.A. and Group	AAGNEUM-2020,Collage making Competition	Inter-institute Competition	IMS College Ahmednagar	13/2/2020	Participated	PO2,PO3,PO5,PO8,PO9,PO11
1.Mr.Shekatkar V.D. and Group	AAGNEUM-2020,Extempore Competition	Inter-institute Competition	IMS College Ahmednagar	13/2/2020	Participated	PO2,PO3,PO5,PO8,PO9,PO11
1.Mr.Jangle P.R. and Group	AAGNEUM-2020,Ad-Mad Competition	Inter-institute Competition	IMS College Ahmednagar	13/2/2020	Participated	PO2,PO3,PO5,PO8,PO9,PO11

1.Mr.Gavhane S.R. and Group	AAGNEUM-2020,Singing Competition	Inter-institute Competition	IMS College Ahmednagar	13/2/2020	Participated	PO2,PO3,PO5,PO8,PO11
1.Miss.Dikker S.D. and Group	AAGNEUM-2020,Group Dance Competition	Inter-institute Competition	IMS College Ahmednagar	13/2/2020	Participated	PO2,PO3,PO5,PO8,PO11
Intra-institute						
1.Mr.GavhaneV.N. 2.Mr.Sonawane C.S. 3.Mr.Ghavate V.D.	Debate Competition.	Debate competition	MES College of Pharmacy, Sonai	25/09/2019	Second	PO2,PO3,PO5,PO8,PO11

Academic Year 2018-19

Name of student	Event	Activity	Organized by	Dates	Impact	Relevance with PO,s
Inter-institute						
1.Miss.Gadakh P.S. 2.Mr.Gavhane S.R.	YeshwantraoChavan National Level Elocution Competition	Elocution competition	MES's Arts commerce science college , Sonai	25/11/2018	First	PO2,PO5,PO8,PO11
1.Miss.Pund N.S. 2.Mr.Ghavate V.D.	Let.TaisahebKadam National Level Debate Competition.	Debate competition	MES's Arts commerce science college , Sonai	28/09/2018	Second	PO2,PO3,PO5,PO8,PO11
1.Mr.James A.A. 2.Mr.Khamker S.A.	SavitribaiPhule Pune University Sponsored two days National Level Conference on "Harnessing Natural	National level conference (poster presentation)	Amrutwahini College of Pharmacy, Sangamner	1/03/2019-2/03/ 2019	Participated	PO1,PO3,PO5,PO11

	Bioactive Compounds in Modern Medicine"					
1.Mr.Khaleker S.B. 2.Miss.Salve R.S.	SavitribaiPhule Pune University Sponsored two days National Level Conference on"Pharmacovigilance:The need of 21th Century"	National level conference (poster presentation)	PRES College of Pharmacy, Loni	6/02/2019-7/02/2019	Participated	PO1,PO3,PO5,PO11
1.Miss.Salunke Komal 2.Miss.Khandare A.B. 3.Miss.Dole Monika 4.Mr. Kale D.B. 5.Mr.Jangale S.K.	SavitribaiPhule Pune University Sponsored two days National Level Conference on "Current Prospects of Herbal Nutraceutical as a Functional Food and Dietary Supplement."	National level conference (poster presenatation)	PRES College of Pharmacy, Loni	8/02/2019-9/02/2019	Participated	PO1,PO3,PO5,PO11
1.Miss.Chandak S.S. 2.Miss.Salve R.S.	SavitribaiPhule Pune University Sponsored two days State Level Conference on "Exploring the Challenges in Pharmaceutical Chemistry for the Future"	National level conference (poster presenatation)	SitabaiThite College of Pharmacy,Shirur, Pune	1/02/2019-2/02/2019	Participated	PO1,PO3,PO5,PO11
1.Miss. Chandak S.S. 2.Miss.SalveR.S. 3.Miss.Khalekar S.B. 4.Miss. Dole M.D.	Avishkar	ZONAL LEVEL RESEARCH COMPETITION	College of Engineering ViladGhat,Ahemednager	5/12/2018-13/12/2018	Participated	PO1,PO3,PO5,PO11

5.Miss. Darkunde J.B.						
Out of Maharashtra						
1.Mr.Jagtap V.J.	National level Seminar sponsored by MPCST on "Challenges and recent trends in Drug Discovery and Drug targeting"	National level Seminar	GRY Institute of Pharmacy,Khargone, Madhya Pradesh	16/12/2018 - 17/12/2018	Participated	PO1,PO3,PO5,PO11
1.Mr.Domale R.M.	National level Seminar sponsored by MPCOST on, "Conservation of Rare and Endangered Plant Species for Medicinal Use"	National level Seminar	Charak Institute of Pharmacy, Mandleshwar	4/4/2019-5/4/2019	Participated	PO1,PO3,PO5,PO11
1.Mr.Ohal D.K.	One Day International Colloquium on "Global Integration of Opportunities in Health Care Management"	One Day International	IPS Academy College of Pharmacy Indore, MP	31/10/2018	Participated	PO1,PO3,PO5,PO11
Intra-institute						
1. Miss. Lokhande V.M. 2.Miss. Dole M.D.	SavitribaiPhule Pune University Sponsored two days State Level Conference on, "Recent Innovations in Pharmaceutical Science"	National level conference (poster presentation)	MES College of Pharmacy, Sonai	15/02/2019-16/02/2019	Second	PO1,PO3,PO5,PO11

Academic Year 2017-18

Name of student	Event	Activity	Organized by	Dates	Impact	Relevance with PO,s
Inter-institute						
1.Miss. Ghume V.K.	Elocution competition	Elocution competition	Dnyaneshwar Mahavidyalaya,Newasa	24/09/2017	First	PO2,PO8,PO5,PO11
1.Mr.Sake P.S.	Elocution competition	Elocution competition	Dnyaneshwar Mahavidyalaya,Newasa	24/09/2017	Second	PO2,PO3,PO8,PO5,PO11
1.Miss.Borude S.R. 2.Miss.Ghume V.K.	SavitribaiPhule Pune University Sponsored two days State Level Conference on, "Green Chemistry-Role in Environmental Protection"	National level conference (poster presentation)	PRES College of Pharmacy, Loni	9/02/2018-10/02/2018	Second	PO1,PO3,PO5,PO11
1.Mr.Amate P.K. 2.Miss.Lokhande V.M.	SavitribaiPhule Pune University Sponsored one days State Level Seminar on "New Perspectives of NanoHarbal Medicine"	National level conference (poster presentation)	PRES College of Pharmacy, Loni	8/02/2018	Participated	PO1,PO3,PO5,PO11
1. Miss. Banker C.S.	Avishkar	Research Competition	Arts Commerce and Science College,Rahuri.	10/12/2017	Selected for University Level	PO1,PO3,PO5,PO11
1.Mr.Mule A.R. 2.Mr.Lande V.B.	SavitribaiPhule Pune University Sponsored two days National Level Seminar on "Opportunities and Challenges in Development	National level conference (poster presentation)	Amrutvahini College of Pharmacy,Sangemner.	10/02/2018-11/02/2018	Third	PO1,PO3,PO5,PO11

	of Herbal Formulation"					
Out of Maharashtra						
1.Mr.Todmal R.D.	KLE Academy of Higher Education and Research Sponsored Workshop on 'Advances in Drug Discovery and Development"	National level Workshop	KLE College of Pharmacy,Belagavi, Karnataka.	26/10/2017-27/10/2017	Participated.	PO1,PO3,PO5,PO 11
Intra-institute						
1.Miss.Borude S.R.	SavitribaiPhule Pune University Sponsored two days National Level Seminar on, "Intellectual Property Rights:New Age Challenges"	National level conference (poster presentation)	MES College of Pharmacy, Sonai	16/02 2018-17/02/2018	First	PO1,PO3,PO5,PO 11
1.Miss.Mote P.R. 2.Miss.Gadakh P.S. 3.Miss.Dahatonde P.S.	Essay Writing competition	Essay Writing competition	MESCOP, Sonai	2/10/2018	First	PO1,PO3,PO5,PO 11

Criterion 4 Student's Performance (180)

Self Assessment Worksheet

Sr. No	Sub Criteria	Max. Marks/ Weightage	Self-assessment Marks	Marks Awarded
4.1.	Enrolment Ratio	20	20	
4.2.	Success rate in the stipulated period of the program	50	-	
4.2.1.	Success rate without backlog in stipulated period of study	30	19.50	
4.2.2.	Success rate with backlog in stipulated period of study	20	17.05	
4.3.	Academic Performance in Final Year	10	6.41	
4.4.	Academic Performance in Third Year	10	6.56	
4.5.	Academic Performance in Second Year	10	6.85	
4.6.	Academic Performance in First Year	20	14.12	
4.7.	Placement and Higher Studies	40	29.60	
4.8.	Professional Activities	20	-	
4.8.1.	Professional societies / chapters and organizing pharmacy events (5)	5	5	
4.8.2.	Publication of technical magazines, newsletters, etc.	5	5	
4.8.3	Participation in inter-institute events by students of the program of study	10	10	
	Total	180	140.09	

CRITERION 5
Faculty Information and Contributions

5. Faculty Information and Contribution

Sr. No.	Name of the Faculty	Qualification			Association with the Institution	Designation	Date of Joining the Institution	Department	Specialization	Academic Research			Sponsored Research	Consultancy and Product Development
		Degree (highest degree)	University	Year of Graduation						Research Paper Publications	Ph.D. Guidance	Faculty Receiving Ph.D. during the Assessment Years		
Academic Year 2020-2021														
1	Dr. Vinayak K. Deshmukh	PhD	Swami RamanandTeerthMarathwada University, Nanded	2011	08/8/2013	Principal	08/08/2013	Pharmaceutical Chemistry	Pharmaceutical Chemistry	3	NIL	NO	NIL	NIL
2	Dr. Vilas B. Ghawate	PhD	BhagwantUniversity, Ajmer, Rajasthan	2018	16/10/2007	Associate Professor	16/10/2007	Pharmacognosy	Pharmacognosy	1	NIL	NO	NIL	NIL
3	Dr. Popat B. Mohite	PhD	Vinayaka Missions University, Salem, Tamilnadu	2013	05/6/2007	Professor	05/06/2007	Pharmaceutical Chemistry	Pharmaceutical Chemistry	3	NIL	NO	NIL	NIL
4	Dr. Ramdas B. Pandhare	PhD	Suresh GyanViharUniversity,Jaipur, Rajasthan	2013	21/06/2007	Associate Professor	21/06/2007	Pharmacology	Pharmacology	3	2	NO	NIL	NIL
5	Dr. Anil R. Pawar	PhD	PRIST University, Thanjavur, Tamilnadu	2018	01/01/2008	Associate Professor	01/01/2008	Pharmaceutics	Pharmaceutics	0	NIL	NO	NIL	NIL
6	Dr. Jyoti G. Wagh	PhD	JayotiVidyapeeth Women's University, Jaipur, Rajasthan	2018	21/06/2008	Assistant Professor	21/06/2008	Pharmaceutical Chemistry	Pharmaceutical Chemistry	1	NIL	NO	NIL	01
7	Mr. Amol V. Ghule	M. Pharm	Rajiv Gandhi University of Health Sciences Karnataka	2008	21/06/2008	Assistant Professor	21/06/2008	Pharmaceutical Chemistry	Pharmaceutical Chemistry	0	NIL	NO	NIL	NIL
8	Mrs. Varsha S. Jadhav	M. Pharm	North Maharashtra University, Jalgaon	2007	13/10/2007	Assistant Professor	13/10/2007	Pharmacognosy	Pharmacognosy	0	NIL	NO	NIL	NIL

9	Mr. Shripad M. Bairagi	M. Pharm	BPUT, Orissa	2008	11/08/2008	Assistant Professor	11/08/2008	Pharmacology	Pharmacology	1	NIL	NO	NIL	NIL
10	Mr. Abhijeet A. Aher	M. Pharm	NMIMS University, Mumbai	2010	10/01/2011	Assistant Professor	10/01/2011	Pharmaceutics	Pharmaceutics	0	NIL	NO	NIL	NIL
11	Mrs. Manisha D. Sonawane	M. Pharm	Savitribai Phule Pune University, Pune	2014	01/08/2016	Assistant Professor	01/8/2016	Pharmaceutical Chemistry	Pharmaceutical Chemistry	0	NIL	NO	NIL	NIL
12	Mr.Swapnil R. Firodiya	M. Pharm	Solapur University	2013	10/02/2015	Assistant Professor	10/2/2015	Pharmaceutics	Pharmaceutics	0	NIL	NO	NIL	NIL
13	Miss. Sonali T. Gade	M. Pharm	Savitribai Phule Pune University, Pune	2016	01/08/2017	Assistant Professor	01/08/2017	Pharmaceutical Chemistry	Pharmaceutical Chemistry	0	NIL	NO	NIL	NIL
14	Mr. Krushna B. Agale	M. Pharm	SavitribaiPhule Pune University, Pune	2015	21/08/2017	Assistant Professor	21/08/2017	Pharmaceutics	QAT	0	NIL	NO	NIL	NIL
15	Mr. Ambadas B. Katarnavare	M. Pharm	RUHS, Jaipur, Rajasthan	2014	15/06/2018	Assistant Professor	15/06/2018	Pharmaceutics	Pharmaceutics	0	NIL	NO	NIL	NIL
16	Miss. Madhuri S. Bankar	M. Pharm	SavitribaiPhule Pune University, Pune	2018	31/08/2018	Assistant Professor	31/08/2018	Pharmaceutical Chemistry	Pharmaceutical Chemistry	0	NIL	NO	NIL	NIL
17	Mr. Mahesh S. Gaikwad	M. Pharm	SavitribaiPhule Pune University, Pune	2014	23/07/2019	Assistant Professor	23/07/2019	QAT	QAT	0	NIL	NO	NIL	NIL
18	Dr. Shantaram G. Khanage	PhD	Vinayaka Missions University, Salem, Tamilnadu	2015	22/01/2020	Associate Professor	22/01/2020	QAT	Pharmaceutical Chemistry	0	NIL	NO	NIL	NIL
19	Mrs. Prachi V. Virkar	M. Pharm	SavitribaiPhule Pune University, Pune	2013	01/08/2019	Assistant Professor	01/08/2019	Pharmaceutical Chemistry	QAT	0	NIL	NO	NIL	NIL
20	Mrs. Pratibha N. Bhujadi	M. Pharm	SavitribaiPhule Pune University, Pune	2017	05/08/2019	Assistant Professor	05/08/2019	QAT	QAT	0	NIL	NO	NIL	NIL
21	Mr. Sunil J. Aher	PhD	Suresh GyanViharUniversity,Jaipur, Rajasthan		01/01/2020	Associate Professor	01/01/2020	Pharmaceutics	Pharmaceutics	0	NIL	NO	NIL	NIL
Academic Year 2019-2020														
1	Dr. Vinayak K. Deshmukh	PhD	Swami RamanandTeerthMarathwada University, Nanded	2011	08/08/2013	Principal	08/08/2013	Pharmaceutical Chemistry	Pharmaceutical Chemistry	2	NIL	NO	NIL	NIL
2	Dr. Vilas B. Ghawate	PhD	BhagwantUniversity, Ajmer, Rajasthan	2018	16/10/2007	Associate Professor	16/10/2007	Pharmacognosy	Pharmacognosy	0	NIL	NO	NIL	NIL
3	Dr. Popat B. Mohite	PhD	Vinayaka Missions University, Salem, Tamilnadu	2013	05/06/2007	Professor	05/06/2007	Pharmaceutical Chemistry	Pharmaceutical Chemistry	3	NIL	NO	NIL	NIL

4	Dr. Ramdas B. Pandhare	PhD	Suresh GyanViharUniversity,Jaipur, Rajasthan	2013	21/06/2007	Associate Professor	21/06/2007	Pharmacology	Pharmacology	3	NIL	NO	NIL	NIL
5	Dr. Anil R. Pawar	PhD	PRIST University, Thanjavur, Tamilnadu	2018	01/01/2008	Associate Professor	01/01/2008	Pharmaceutics	Pharmaceutics	1	NIL	NO	NIL	NIL
6	Dr. Jyoti G. Wagh	PhD	Jayoti Vidyapeeth Women's University, Jaipur, Rajasthan	2018	21/06/2008	Assistant Professor	21/06/2008	Pharmaceutical Chemistry	Pharmaceutical Chemistry	0	NIL	NO	NIL	01
7	Mr. Amol V. Ghule	M. Pharm	Rajiv Gandhi University of Health Sciences Karnataka	2008	21/06/2008	Assistant Professor	21/06/2008	Pharmaceutical Chemistry	Pharmaceutical Chemistry	0	NIL	NO	NIL	NIL
8	Mrs. Varsha S. Jadhav	M. Pharm	North Maharashtra University, Jalgaon	2007	13/10/2007	Assistant Professor	13/10/2007	Pharmacognosy	Pharmacognosy	0	NIL	NO	NIL	NIL
9	Mr. Shripad M. Bairagi	M. Pharm	BPUT, Orissa	2008	11/8/2008	Assistant Professor	11/08/2008	Pharmacology	Pharmacology	0	NIL	NO	NIL	NIL
10	Mr. Abhijeet A. Aher	M. Pharm	NMIMS University, Mumbai	2010	10/01/2011	Assistant Professor	10/01/2011	Pharmaceutics	Pharmaceutics	0	NIL	NO	NIL	NIL
11	Mrs. Manisha D. Sonawane	M. Pharm	SavitribaiPhule Pune University, Pune	2014	01/08/2016	Assistant Professor	01/08/2016	Pharmaceutical Chemistry	Pharmaceutical Chemistry	0	NIL	NO	NIL	NIL
12	Mr.Swapnil R. Firodiya	M. Pharm	Solapur University	2013	10/02/2015	Assistant Professor	10/2/2015	Pharmaceutics	Pharmaceutics	0	NIL	NO	NIL	NIL
13	Miss. Sonali T. Gade	M. Pharm	SavitribaiPhule Pune University, Pune	2016	01/08/2017	Assistant Professor	01/08/2017	Pharmaceutical Chemistry	Pharmaceutical Chemistry	0	NIL	NO	NIL	NIL
14	Mr. Krushna B. Agale	M. Pharm	SavitribaiPhule Pune University, Pune	2015	21/08/2017	Assistant Professor	21/08/2017	Pharmaceutics	QAT	0	NIL	NO	NIL	NIL
15	Mr. Ambadas B. Katarnavare	M. Pharm	RUHS, Jaipur, Rajasthan	2014	15/06/2018	Assistant Professor	15/06/2018	Pharmaceutics	Pharmaceutics	0	NIL	NO	NIL	NIL
16	Miss. Madhuri S. Bankar	M. Pharm	SavitribaiPhule Pune University, Pune	2018	31/08/2018	Assistant Professor	31/08/2018	Pharmaceutical Chemistry	Pharmaceutical Chemistry	0	NIL	NO	NIL	NIL
17	Mr. Mahesh S. Gaikwad	M. Pharm	SavitribaiPhule Pune University, Pune	2014	23/07/2019	Assistant Professor	23/07/2019	QAT	QAT	0	NIL	NO	NIL	NIL
18	Dr. Shantaram G. Khanage	PhD	Vinayaka Missions University, Salem, Tamilnadu	2015	22/01/2020	Associate Professor	22/01/2020	QAT	Pharmaceutical Chemistry	2	NIL	NO	NIL	NIL
19	Mr. Amol R. Pund	M. Pharm	SavitribaiPhule Pune University, Pune	2013	25/08/2018	Assistant Professor	25/08/2018	Pharmaceutical Chemistry	Pharmaceutical Chemistry	0	NIL	NO	NIL	NIL
20	Mrs. Prachi V. Virkar	M. Pharm	SavitribaiPhule Pune University, Pune	2013	01/08/2019	Assistant Professor	01/08/2019	Pharmaceutical Chemistry	QAT	0	NIL	NO	NIL	NIL

21	Mrs. Pratibha N. Bhujadi	M. Pharm	SavitribaiPhule Pune University, Pune	2017	05/08/2019	Assistant Professor	05/08/2019	QAT	QAT	0	NIL	NO	NIL	NIL
Academic Year 2018-2019														
1	Dr. Vinayak K. Deshmukh	PhD	Swami RamanandTeerthMarathwada University, Nanded	2011	08/08/2013	Principal	08/08/2013	Pharmaceutical Chemistry	Pharmaceutical Chemistry	3	NIL	NO	NIL	NIL
2	Dr. Vilas B. Ghawate	PhD	BhagwantUniversity, Ajmer, Rajasthan	2018	16/10/2007	Associate Professor	16/10/2007	Pharmacognosy	Pharmacognosy	0	NIL	YES	NIL	NIL
3	Dr. Popat B. Mohite	PhD	Vinayaka Missions University, Salem, Tamilnadu	2013	05/06/2007	Professor	05/06/2007	Pharmaceutical Chemistry	Pharmaceutical Chemistry	1	NIL	NO	NIL	NIL
4	Dr. Ramdas B. Pandhare	PhD	Suresh GyanViharUniversity,Jaipur, Rajasthan	2013	21/06/2007	Associate Professor	21/06/2007	Pharmacology	Pharmacology	1	NIL	NO	NIL	NIL
5	Dr. Anil R. Pawar	PhD	PRIST University, Thanjavur, Tamilnadu	2018	01/01/2008	Associate Professor	01/01/2008	Pharmaceutics	Pharmaceutics	0	NIL	YES	NIL	NIL
6	Dr. Jyoti G. Wagh	PhD	JayotiVidyapeeth Women's University, Jaipur, Rajasthan	2018	21/06/2008	Assistant Professor	21/06/2008	Pharmaceutical Chemistry	Pharmaceutical Chemistry	0	NIL	YES	NIL	01
7	Mr. Amol V. Ghule	M. Pharm	Rajiv Gandhi University of Health Sciences Karnataka	2008	21/06/2008	Assistant Professor	21/06/2008	Pharmaceutical Chemistry	Pharmaceutical Chemistry	0	NIL	NO	NIL	NIL
8	Mrs. Varsha S. Jadhav	M. Pharm	North Maharashtra University, Jalgaon	2007	13/10/2007	Assistant Professor	13/10/2007	Pharmacognosy	Pharmacognosy	0	NIL	NO	NIL	NIL
9	Mr. Shripad M. Bairagi	M. Pharm	BPUT, Orissa	2008	11/08/2008	Assistant Professor	11/08/2008	Pharmacology	Pharmacology	2	NIL	NO	NIL	NIL
10	Mr. Abhijeet A. Aher	M. Pharm	NMIMS University, Mumbai	2010	10/1/2011	Assistant Professor	10/01/2011	Pharmaceutics	Pharmaceutics	1	NIL	NO	NIL	NIL
11	Mrs. Manisha D. Sonawane	M. Pharm	SavitribaiPhule Pune University, Pune	2014	01/08/2016	Assistant Professor	01/08/2016	Pharmaceutical Chemistry	Pharmaceutical Chemistry	3	NIL	NO	NIL	NIL
12	Mr.Swapnil R. Firodiya	M. Pharm	Solapur University	2013	10/2/2015	Assistant Professor	10/2/2015	Pharmaceutics	Pharmaceutics	0	NIL	NO	NIL	NIL
13	Miss. Sonali T. Gade	M. Pharm	SavitribaiPhule Pune University, Pune	2016	01/08/2017	Assistant Professor	01/08/2017	Pharmaceutical Chemistry	Pharmaceutical Chemistry	4	NIL	NO	NIL	NIL
14	Mr. Krushna B. Agale	M. Pharm	SavitribaiPhule Pune University, Pune	2015	21/08/2017	Assistant Professor	21/08/2017	Pharmaceutics	QAT	0	NIL	NO	NIL	NIL

15	Mr. Ambadas B. Katarnavare	M. Pharm	RUHS, Jaipur, Rajasthan	2014	15/06/2018	Assistant Professor	15/06/2018	Pharmaceutics	Pharmaceutics	0	NIL	NO	NIL	NIL
16	Mr. Abhishek S. Darandale	M. Pharm	RUHS, Jaipur, Rajasthan	2012	14/09/2012	Assistant Professor	14/09/2012	Pharmaceutics	Pharmaceutics	0	NIL	NO	NIL	NIL
17	Mr. Amol R. Pund	M. Pharm	SavitribaiPhule Pune University, Pune	2013	25/08/2018	Assistant Professor	25/08/2018	Pharmaceutical Chemistry	Pharmaceutical Chemistry	0	NIL	NO	NIL	NIL
18	Miss. Madhuri S. Bankar	M. Pharm	SavitribaiPhule Pune University, Pune	2018	31/08/2018	Assistant Professor	31/08/2018	Pharmaceutical Chemistry	Pharmaceutical Chemistry	0	NIL	NO	NIL	NIL
Academic Year 2017-2018														
1	Dr. Vinayak K. Deshmukh	PhD	Swami RamanandTeerthMarathwada University, Nanded	2011	08/08/2013	Principal	08/08/2013	Pharmaceutical Chemistry	Pharmaceutical Chemistry	0	NIL	NO	NIL	NIL
2	Dr. Vilas B. Ghawate	PhD	BhagwantUniversity, Ajmer, Rajasthan	2018	16/10/2007	Associate Professor	16/10/2007	Pharmacognosy	Pharmacognosy	3	NIL	NO	NIL	NIL
3	Dr. Popat B. Mohite	PhD	Vinayaka Missions University, Salem, Tamilnadu	2013	05/06/2007	Associate Professor	05/06/2007	Pharmaceutical Chemistry	Pharmaceutical Chemistry	4	NIL	NO	01	NIL
4	Dr. Ramdas B. Pandhare	PhD	Suresh GyanViharUniversity,Jaipur, Rajasthan	2013	21/06/2007	Associate Professor	21/06/2007	Pharmacology	Pharmacology	1	01	NO	01	NIL
5	Mr. Anil R. Pawar	PhD	PRIST University, Thanjavur, Tamilnadu	2018	01/01/2008	Assistant Professor	01/01/2008	Pharmaceutics	Pharmaceutics	1	NIL	NO	01	NIL
6	Mrs. Jyoti G. Wagh	PhD	JayotiVidyapeeth Women's University, Jaipur, Rajasthan	2018	21/06/2008	Assistant Professor	21/06/2008	Pharmaceutical Chemistry	Pharmaceutical Chemistry	1	NIL	NO	NIL	01
7	Mr. Amol V. Ghule	M. Pharm	Rajiv Gandhi University of Health Sciences Karnataka	2008	21/06/2008	Assistant Professor	21/06/2008	Pharmaceutical Chemistry	Pharmaceutical Chemistry	1	NIL	NO	NIL	NIL
8	Mrs. Varsha S. Jadhav	M. Pharm	North Maharashtra University, Jalgaon	2007	13/10/2007	Assistant Professor	13/10/2007	Pharmacognosy	Pharmacognosy	2	NIL	NO	NIL	NIL
9	Mr. Shripad M. Bairagi	M. Pharm	BPUT, Orissa	2008	11/08/2008	Assistant Professor	11/08/2008	Pharmacology	Pharmacology	1	NIL	NO	NIL	NIL
10	Mr. Abhijeet A. Aher	M. Pharm	NMIMS University, Mumbai	2010	10/01/2011	Assistant Professor	10/01/2011	Pharmaceutics	Pharmaceutics	1	NIL	NO	NIL	NIL
11	Mrs. Manisha D. Sonawane	M. Pharm	SavitribaiPhule Pune University, Pune	2014	01/08/2016	Assistant Professor	01/08/2016	Pharmaceutical Chemistry	Pharmaceutical Chemistry	1	NIL	NO	NIL	NIL
12	Mr.Swapnil R. Firodiya	M. Pharm	Solapur University	2013	10/02/2015	Assistant Professor	10/02/2015	Pharmaceutics	Pharmaceutics	2	NIL	NO	NIL	NIL

13	Miss. Sonali T. Gade	M. Pharm	Savitribai Phule Pune University, Pune	2016	01/08/2017	Assistant Professor	01/08/2017	Pharmaceutical Chemistry	Pharmaceutical Chemistry	0	NIL	NO	NIL	NIL
14	Mr. Krushna B. Agale	M. Pharm	Savitribai Phule Pune University, Pune	2015	21/08/2017	Assistant Professor	21/08/2017	Pharmaceutics	QAT	0	NIL	NO	NIL	NIL
15	Mr. Abhishek S. Darandale	M. Pharm	RUHS, Jaipur, Rajasthan	2011	14/09/2012	Assistant Professor	14/09/2012	Pharmaceutics	Pharmaceutics	0	NIL	NO	NIL	NIL
16	Mr. Balaji M. Narwate	M. Pharm	Rajiv Gandhi University of Health Sciences Karnataka	2008	21/06/2008	Assistant Professor	21/06/2008	Pharmaceutical Chemistry	Pharmaceutical Chemistry	0	NIL	NO	NIL	NIL
17.	Mr. Nilesh R. More	M. Pharm	Anna Malai University	2011	05/02/2016	Assistant Professor	05/02/2016	QAT	Pharmaceutics	0	NIL	NO	NIL	NIL
18.	Mr. Suraj D. Bendre	M. Pharm	SavitribaiPhule Pune University, Pune	2014	28/02/2016	Assistant Professor	28/02/2016	Pharmaceutical Chemistry	Pharmaceutical Chemistry	0	NIL	NO	NIL	NIL

CRITERION 5	Faculty Information and Contributions	175

5.1. Student-Faculty Ratio (SFR) (20) **Self-assessment Marks: 16**

(To be calculated at Department Level; No of Faculty as per the sanctioned intake)
No. of UG Programs in the Department (n):01
No. of PG Programs in the Department (m):01
No. of Students in UG 1stYear= u1
No. of Students in UG 2rdYear= u2
No. of Students in UG 3rdYear= u3
No. of Students in UG 4thYear= u4
No. of Students in PG 1stYear= p1
No. of Students in PG 2ndYear=p2
No. of Students = Sanctioned Intake + Actual admitted lateral entry
(The above data to be provided considering all the UG and PG programs of the department)
S = Number of Students in the Department = UG1 + PG1 + PG2
F = Total Number of Regular Faculty Members in the Department
Student Faculty Ratio (SFR) = S/F

Year	CAY (2020-2021)	CAYm1 (2019-2020)	CAYm2 (2018-2019)
First Year B. Pharm	65	62	60
Second Year B. Pharm	62+12	60+9	60+9
Third Year B. Pharm	60+9	60+7	60+10
Final Year B. Pharm	60+7	60+10	60+17
UG1	**265**	**268**	**276**
First Year M. Pharm	18	18	18
Second Year M. Pharm	18	18	18
PG1	**36**	**36**	**36**
First Year M. Pharm	0	18	18
Second Year M. Pharm	0	18	18
PG2	**0**	**36**	**36**
Total (PG1+PG2)	**36**	**72**	**72**
Total No. of Students in the Department **(S)**	**301**	**340**	**348**
No. of Faculty in the Department **(F)**	**21**	**20**	**18**
Student Faculty Ratio (SFR)	**14.33**	**17.00**	**19.33**
Average SFR	**16.88**		

Table B.5.1

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

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

Note:

Minimum 75% should be Regular/ full time faculty and the remaining shall be Contractual Faculty as per AICTE norms and standards.
The contractual faculty (doing away with the terminology of visiting/adjunct faculty, whatsoever) who have taught for 2 consecutive semesters in the corresponding academic year on full time basis shall be considered for the purpose of calculation in the Student Faculty Ratio.

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 (2020-21)	20	00
CAY m1 (2019-2020)	20	00
CAY m2 (2018-2019)	18	00
CAYm3 (2017-2018)	18	00

Table 5.1.1

5.2. Faculty Cadre Proportion (20)

Self-assessment Marks: 14.16

The reference Faculty cadre proportion is (F1):(F2):(F3)

Number of Faculty required complying with 15:1 Student-Faculty ratio= 240/15=16

F1: Number of Professors required = 1/9 x Number of Faculty required to comply with 15:1 Student-Faculty ratio.

F2: Number of Associate Professors required = 2/9 x Number of Faculty required to comply with 15:1 Student-Faculty ratio

F3: Number of Assistant Professors required = 6/9 x Number of Faculty required to comply with 15:1 Student-Faculty ratio.

Year	Professors		Associate Professors		Assistant Professors	
	Required F1	Available	Required F2	Available	Required F3	Available
CAY (2020-21)	02	02	05	03	15	15
CAYm1 (2019-20)	02	02	05	03	15	15
CAY*m*2 (2018-19)	02	01	05	03	15	14
Average Numbers	02	1.33	05	03	15	14.67

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

= [(1.33/2) + (3 x 0.6/5) + (14.67 x 0.4/15)] x 10
= [0.6650+0.3600+0.3912] x 10
= 14.16

- *If AF1 = AF2= 0 then zero marks*
- *Maximum marks to be limited if it exceeds the allocated marks*

Example: Intake = 180; Required number of Faculty: 12; RF1= 1, RF2=2 and Rf3=9 Case 1: AF1/RF1= 1; AF2/RF2 = 1; AF3/RF3 = 1 Cadre proportion marks = (1+0.6+0.4) x10 = 20 Case 2: AF1/RF1= 1; AF2/RF2 = 3/2; AF3/RF3 = 8/9 Cadre proportion marks = (1+0.9+0.3) x10 = limited to 20

5.3. Faculty Qualification (20)

Self-assessment Marks: 10.16

FQ = 2(10X +4Y)/F where X is no. of faculty with Ph.D., Y is no. of faculty with M. Pharm., F is no. of faculty required to comply 1:15 Faculty Student ratio (no. of faculty and no. of students required to be calculated as per 5.1)*

	X	Y	F	FQ=2*(10X+ 4Y)/F
CAY (2020-21)	6	14	22	10.55
CAY*m*1 (2019-20)	6	14	22	10.55
CAY*m*2 (2018-19)	6	12	23	9.39
Average Assessment:				**10.16**

5.4. Faculty Retention (20)

Self-assessment Marks: 20.00

Description	CAY (2020-21)	CAYm1 (2019-20)	CAYm2 (2018-19)	CAYm3 (2017-18)
No. of Faculty Retained	20	18	18	18
Total No. of Faculty	20	20	20	20
% of Faculty Retained	100	90	90	90
Average %	92.50			

Item	Marks
>= 90% of required Faculty members retained during the period of assessment keeping CAYm3 as base year	***20***
>= 75% of required Faculty members retained during the period of assessment keeping CAYm3 as base year	*16*
>= 60% of required Faculty members retained during the period of assessment keeping CAYm3 as base year	*12*
>= 50% of required Faculty members retained during the period of assessment keeping CAYm3 as base year	*08*
<50% of required Faculty members retained during the period of assessment keeping CAYm3 as base year	*00*

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

Self-assessment Marks: 15

Contributions to teaching and learning are activities that contribute to the improvement of student learning. These activities may include innovations including, however not limited to, use of ICT, in instruction delivery, instructional methods, assessment, evaluation and inclusive class rooms that lead to effective, efficient and engaging instruction. Any contributions to teaching and learning should satisfy the criteria:

- *The work must be made available on Institute website*
- *The work must be available for peer review and critique*
- *The work must be able to be reproduced and built on by other scholars*

The institution may set up appropriate processes for making the contributions available to the public, getting them reviewed and for rewarding. These may typically include statement of clear goals, adequate preparation, use of appropriatemethods, and significance of results, effective presentation and reflective critique.

With an aim of innovative teaching and learning process, teachers have adopted newer and different techniques. ICT opens up opportunities for learning because it enables learners to access, extend, transform and share ideas in multi modal communication forms as follows.

1: e- Learning Modules on Google classroom platform.
2: Preparation and uploading of PowerPoint Presentations
3: Provision of links of various e-learning modules like animation and videos on college website.
4: Provision of video lectures of faculty on college website and other platforms.
5: Preparation and demonstration of various charts and models.
6: Use of educational software's.
7. Field trips and Industrial visits.
8: Language laboratory.
9. Online internal assessment / lectures/webinars during COVID-19 pandemic period
10. Guidance and support for preparation of academic videos by students.

1: E- Learning Modules on Google classroom platform.

- E-Learning Modules: For each course concerned teachers have developed e-Learning Modules on Google classroomplatform and effectively used.
- Concerned in-charge allots faculty members to respective classes.
- Students are instructed to join their respective classes.
- Assignments, open book tests, Videos, PPTs, notes, question banksand online tests on subject topics are being introduced and self-learning exercises are conducted for students through this module.
- Online tests, conducted through this module, help to develop competitive attitude in students.
- Responses given by student are recorded by the faculty.
- The work is made available for peer review and critiques for student, faculty and scholars.

2: Preparation and uploading of PowerPoint Presentations:

- Every faculty member is involved in preparation of PowerPoint presentations, which are used during regular teaching.
- PowerPoint Presentations are also made available on college website,on computers available in laboratory and library for peer review and critiques.

3: Provision of links of various e-learning modules like animation and videos on college website:

- Various e-learning modules like animation and videos available on internet and YouTube are made available to the students through college website and through PPT presentation**.**
- These videos help students for easy understanding of some advanced hyphenated topics and techniques.

4: Provision of video lectures of faculty on college website and other platforms:

- Faculties are encouraged to prepare and record their lectures in the form of videos.
- These videos are made available onCollege website,YouTube channel and on computers in laboratories and library for peer review and critiques.

5: Preparation and demonstration of various charts and models:

- Various charts and demonstrative models are prepared by students under the guidance of faculty. These are displayed in laboratories for understanding the concept, peer review and critiques.
- The models and charts prepared and submitted in previous years are preserved in the form of soft copy and are made available for referencing in laboratories and library.
- Suchtype of work motivates and helps thefresher's in generating ideas.

Table 5.5.1. List of models prepared by Faculty for innovative teaching

Sr. No.	Model Title	Name of Faculty	Use in Teaching Learning
Department of Pharmaceutics			
1.	Types of Layouts of Tablet manufacturing plant	Mr. Abhijeet A. Aher	The models clears the concept about industry layout and significance of layouts in regulatory aspects
2.	Bacterial Cell	Mr. Ambadas B. Katarnaware	The model demonstrates the organelles of the Bacterial cell
3.	DNA fingerprint	Mr. Ambadas B. Katarnaware	The model demonstrates DNA fingerprint profiling and forensic biochemical laboratories for evidence.
Department of Pharmaceutical Chemistry			
1.	UV- Visible Spectrophotometer	Mr. Amol V. Ghule	The model demonstrates detail instrumentation of UV-Visible Spectrophotometer
2.	HPLC - Instrumentation	Mr. Amol V. Ghule	The model demonstrates detail instrumentation of HPLC
3.	Structure of virus	Dr. Popat B. Mohite	The model demonstrates the different components of virus structure and its applications.
4.	Periodic Table	Dr. Popat B. Mohite	This Model helps to memories
5.	TCA Cycle	Mrs. Manisha D. Sonawane	The model demonstrates energy and ATP production.
6.	DNA Model	Mrs. Manisha D. Sonawane	The model explains translation and transcription of DNA.
7.	Protein Structure	Mrs. Manisha D. Sonawane	The Model demonstrates different structures of protein.
8.	IUPAC Nomenclature	Miss. Sonali T. Gade	This model explains various rules on IUPAC nomenclature.
9.	R & S Configuration	Miss. Sonali T. Gade	The model demonstrates different rules of R and S configuration of different chemical compounds.
Department of Pharmacology			
1.	Neurotransmission	Mr. Shripad M. Bairagi	The model demonstrates the transfer of the impulses within the neuron and from one neuron to another neuron
2.	Animal Cell	Mr. Shripad M. Bairagi	The model demonstrates the organelles of the animal cell

3.	Urinary system	Mr. Shripad M. Bairagi	The model demonstrates the urine formation in through nephrons and explains various mechanisms of excretion
4.	Plant Cell	Mr. Shripad M. Bairagi	The model demonstrates the organelles of the plant cell
Department of Pharmacognosy			
1.	T. S. of Senna Leaf	Dr. Vilas B. Ghawate	The model demonstrates microscopic characteristics of Senna leaf.

6: Use of educational software :

- Software such as Chemdraw andChemsketchare used for drawing structures of different chemical compounds in Chemistry subjects to understand structure parameters, IUPAC nomenclature and 3-Dimensional arrangement.
- Graphpad prism, used in statistical analysis, is also a part of teaching and learning aids on regular basis.
- X-cology and X-Pharm are used for simulated pharmacological experiments on isolated tissues.
- PlantNet, a free plant identification mobile based application, is used in on-field identification of medicinal plants.

7. Field trips and Industrial visit:

- Industrial visitsare considered as one of the tactical methods of teaching in which students can observe and learn how theoretical concepts learned in the classroom are put in to action in the industry.
- Field trips provide ability in students to correlate theory and practicalknowledge with real life experience.

8: Language laboratory:

- Language laboratory is established to provide basic reading, writing and communication skillsin English to first year B. Pharmacystudents.
- Since most of the students admitted to the course hail from rural background, the institution has been offering a certificate program in ‘Spoken English’ to improve vocabulary and communication skills.

9. Online internal assessment / lectures/webinars during COVID-19 pandemic period:

- The college has conducted online internal assessment through Google forms to avoid the risk of spreading infection among students during pandemic.
- Online lectures are being conducted through Google-Meet Platform to complete their academic learning.
- Webinars of experts from industry and academics were organized on ‘Stress Management’& ‘Entrepreneurship or Jobs: Time to Decide’ to motivate the students and empower themduring lockdown period.

10.Guidance and support for preparation of academic videos by students:

- The institute has initiated 'Academic Video Making Competition' for students to enhance their participation and interest in online teaching learning process during pandemic period. The faculty members guide the students for preparation of Videos on topics of their interest and such videos are uploaded on college YouTube channel.

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

Self-assessment Marks: 15

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

Sr. No.	Name of the Faculty	Max 5 per Faculty		
		CAY (2020-21)	CAYm1 (2019-20)	CAYm2 (2018-19)
1	Dr. V. K. Deshmukh	3	5	3
2	Dr. V. B. Ghawate	5	5	5
3	Dr. P. B. Mohite	5	5	3
4	Dr. R. B. Pandhare	5	5	5
5	Dr. A. R. Pawar	5	5	5
6	Dr. J. G. Wagh	5	5	5
7	Mr. A.V. Ghule	5	5	3
8	Mrs. V. S. Jadhav	3	5	5
9	Mr. S. M. Bairagi	5	5	3
10	Mr. A. A. Aher	5	5	3
11	Mrs. M. D. Sonawane	5	5	5
12	Mr.S. R. Firodiya	0	3	3
13	Miss. S. T. Gade	3	5	5
14	Mr. K. B. Agale	5	5	3
15	Mr. A. B. Katarnavare	5	5	3
16	Miss. M. S. Bankar	0	3	0
17	Dr.S.G. Khanage	NA	5	NA
Sum		**64**	**81**	**59**
RF= Number of faculty required to comply with 15:1 student faculty ratio as pr 5.1		**22.53**	**22.53**	**23.20**
Assessment= 3*Sum/(0.5RF)		**17.05**	**21.57**	**15.25**
Average Assessment over three years (Marks Limited to 15)=15				

5.7. Research and Development (40)

5.7.1. Academic Research (10)

Self-assessment Marks: 10

Table 5.7.1.1.Number of quality publications in refereed/SCOUPUS Journals, citations, Booksetc. (6)

Sr. No.	Name of the Faculty	Publication Details		Citation Details				H Index	i10 Index
		Total Number of Publica-tions Till date	No. of publication s in assess-ment period (2016-2020)	Total no. of citations till date		No. of citations for assessment period (2016-2020)			
				Google Scholar	SCOUPUS	Google Scholar	SCOUPUS		
01	Dr.V.K. Deshmukh	11	04	41	25	36	16	04	02
02	Dr.V.B. Ghawate	14	04	29	02	08	02	04	00
03	Dr.P.B. Mohite	61	09	810	216	485	128	16	27
04	Dr.R.B. Pandhare	39	05	519	144	298	86	13	18
05	Dr.A.R. Pawar	09	07	54	01	42	01	03	01
06	Dr.J.G. Wagh	08	02	05	-	05	-	01	00
07	Mr.A.V. Ghule	02	02	05	-	05	-	01	00
08	Mrs.V.S. Jadhav	06	02	14	01	14	01	02	00
09	Mr.S.M. Bairagi	16	03	131	22	109	21	09	05
10	Mr.A.A. Aher	10	02	103	16	82	13	07	05
11	Mrs.M.D. Sonawane	06	05	07	-	07	-	01	00
12	Mr.S.R. Firodiya	02	02	01	-	01	-	00	00
13	Miss.S.T. Gade	04	04	00	-	00	-	00	00
14	Dr.S.G. Khanage	53	04	469	145	284	82	13	18
Total		**241**	**55**	**2188**	**572**	**1376**	**350**	**74**	**76**

Table 5.7.1.2.Poster Presentations by Faculty:

Author Name	Total No. of Posters Presented	Title of Oral/Poster presentation	Level (Sate/National/International)	Conference Name & Place	Date of Presentation
Dr. Jyoti G. Wagh	**04**	Nutritional Food An Ideal Treatment And Preventive Measures In Cancer	International	Recent advances in traditional medicine, medicinal plants and phytochemistry, Ahmednagar college & AMIST University, Malaysia	08/02/2019 and 09/02/2019

		Computational Docking Studies on Anti-Apoptosis Protein Inhibitors as a Novel Target.	International	International Conference on Medical Biological and Pharmaceutical Sciences, Pune.	13/08/ 2017
		Design Docking Studies Onantiapoptosis Protein Inhibitors on Breast Cancer.	National	University Grant Commission Sponsored National Conference on Recent Trends in Chemical and Environmental Science, held at Sangamner	23/12/2016 and 24/12/2016
		Formulation and Evaluation of Herbal Hair Oil and its Growth Stimulating Activity.	International	66th Indian Pharmaceutical Congress, held at HITEX Hyderabad.	23/01/2015 and 25/01/2015
Dr. Ramdas B. Pandhare	**03**	Formulation and Evaluation of Polyherbal Formulation in Streptozotocin Induced Diabetic Rats	National	Innovation 2017, SPPU, Pune	18/11/2017
		Aqueous Extracts of the Leaves of SesbaniaSesban Reduces Development of Diabetic Nephropathy in Streptozotocin Induced Diabetic Rats	International	Indian Pharmaceutical Congress Association 69th Indian Pharmaceutical Congress	22/12/2017 and 24/12/2017
		Anti-Urolithiatic Potential of BryophyllumPinnatumagainst Sodium Oxalate (Naox) Induced Urolithia	International	66th Indian Pharmaceutical Congress, held at HITEX Hyderabad.	23/01/2015 And 24/01/2015.
Dr. Anil R. Pawar	**02**	Enhancement of Aqueous Solubility and Oral Bioavailability of OlmesartanMedoxomil by Dry Ebmulsion	International	Indian Pharmaceutical Congress Association 69th Indian Pharmaceutical Congress	22/12/2017 and 24/12/2017
		Enhancement of Dissolution Characteristics and Oral Bioavailability Of Class II Drugs by Spray drying and Dry Emulsion Techniques: *In Vitro* and *In Vivo*	National	Innovation 2017, SPPU, Pune	18/11/ 2017

		Evaluation			

Table 5.7.1.3.Books Published by faculty

Sr.No.	Book Title	Publisher	Authors	Year of Publication	ISBN
01	Practical Handbook of Pharmaceutical Analysis-I	Success Publication, Pune	Dr. SohanChitlange Dr. VinayakDeshmukh Mrs. Babita A. Agarwal Mrs. Sejal P. Gandhi	2018	978-93-24457-01-1
02	Practical Handbook of Pharmaceutical Analysis -II	Success Publication, Pune	Dr. SohanChitlange Dr. VinayakDeshmukh Mrs. Babita A. Agarwal Mrs. Sejal P. Gandhi	2018	978-93-24457-10-0
03	Textbook of Pharmaceutical Organic Chemistry-III	Success Publication, Pune	Dr. VinayakDeshmukh Mr. BalajiNarwate	2016	978-93-83993-00-0
04	Formulation of Self Micro-Emulsifying Drug Delivery System	LAP LAMBERT Academic Publishing	Dr. PopatMohite VinayakHarishchandre	2017	978-620-2-05836-0
05	Formulation and Evaluation of OlmesartanMedoxomil Dry Emulsion	LAP LAMBERT Academic Publishing	Dr. PopatMohite VaidhunBhaskar	2017	978-333-0-33162-4
06	Pharmacological Evaluation of Plants in Treatment of Diabetes	LAP LAMBERT Academic Publishing	RamdasPandhare BalakrishnanSangameswaran	2017	978-333-0-08563-3

Table 5.7.1.4.Ph.D. Guidance

Name of Faulty	Name of Scholar	University	Awarded or Ongoing	Registration or Awarded Year
Dr.Vinayak K. Deshmukh	Dr. Bhushan N. Shinkar	Nehru Gram Bharti University, Allahabad (UP)	Awarded	2016
Dr.Vinayak K. Deshmukh	Dr. VarshaZawar	Nehru Gram Bharti University, Allahabad (UP)	Awarded	2016
Dr.RamdasB.Pandhare	Dr. Vishnu S. Neharkar	Bhagwant University, Ajmer, Rajsthan	Awarded	2017
Dr.RamdasB.Pandhare	Mrs. Kalyani A. Autade	SavitribaiPhule Pune University, Pune	Ongoing	2020

Dr.RamdasB.Pandhare	Mrs. Vaishali K Chavan	SavitribaiPhule Pune University, Pune	Ongoing	2020

Table 5.7.1.5.Faculty awarded Ph.D. during the assessment period

Name of Faulty	Title	University	Registration Year	Awarded Year
Dr. Vilas B. Ghawate	Studies on *Brideliaretusa*Spreng, Family: Euphorbiacese	Bhagwant University, Ajmer, Rajsthan	2010	2018
Dr. Jyoti G. Wagh	Designing and Development of Drug Studies on the Functional Consequences of Anti Apoptosis Gene in Cancer	JayotiVidyapeethWomansUniversity,Jaipur	2011	2018
Dr. Anil R. Pawar	Novel Approaches For Enhancement of Solubility and Stability of Some Drugs	PRIST University, Thanjavur, Tamilnadu	2011	2018

Table 5.7.1.6.Faculty perusing Ph.D. during the assessment period

Name of Faulty	Title	University	Registration Year
Mr. Shripad M. Bairagi	Hepatoprotective activity of *Calotropisgigantea* and *Calotropisprocera*	Suresh Gyanvihar University, Rajastan	2015
Mr.AmbadasB.Karatnavare	Design, Evaluation and Optimization of Oro-Dispersible Films of Selected Drugs by using Response Surface Method- *In Vivo* and *In Vitro* Characterization	Bhagwant University, Ajmer, Rajasthan	2018
Mrs. Varsha S. Jadhav	Development and Pharmacological Evaluation of PolyherbalFormulation	Oriental University, Indore	2019

Mr. Abhijeet A. Aher	Formulation and Evaluation of Stable Coamorphous Systems of PoorlyWater Soluble Drugs.	SavitribaiPhule Pune University, Pune	2020

5.7.2. Sponsored Research (10)

Self-assessment Marks: 02

Project Title	Funding Agency	Letter Number	Principal Investigator	Amount (Rs)	Duration (Years)	Status
2014-2016						
Design And Microwave Assisted Multicomponent Reaction Synthesis of Pyrimido [1,2-b] Benzothiazole and Pyrimidine Analogues as Potential Anticancer Agents.	BCUD, SavitribaiPhule Pune University Pune	BCUD email dated 16th April 2015	Dr. Vinayak K Deshmukh	120000	2	Completed
Design and Synthesis of Enzyme Targeted Anti-Cancer And Anti-HIV Drug Candidates.			Dr. Vikas G. Rajurkar	80000	2	Completed
Development and Evaluation of HepatoprotectivePolyherbal Formulation			Dr. Vilas B. Ghawate	120000	2	Completed
Design and Synthesis of Anti-Apoptosis C-Flip Inhibitors in Breast Cancer.			Mrs. Jyoti G. Wagh	100000	2	Completed
Study of Novel Nanocomposite System For Controlled Delivery of Peptide Drug.			Miss. Deepika C. Sonawane	120000	2	Completed
Total Sanctioned Amount				**540000**		
2016-2018						
Comparative Studies on Conventional, Microwave Assisted and Ultrasound Assisted Synthesis of Substituted Azoles as Potential Anti-Inflammatory Agents	Savitribai Phule Pune University Pune	OSD/BCUD/392/116	Dr. Popat B. Mohite	180000	2	Completed
Formulation and Evaluation of Polyherbal Formulation in Streptozocin Induced Diabetic Rats			Dr. Ramdas B. Pandhare	140000	2	Completed
Design and Synthesis of Some Novel 14 α–Demethylase Inhibitors Containing 1, 2, 4 Triazoleas an Active Lead.			Dr. Shantaram G. Khanage	180000	2	Completed
Enhancement of Dissolution Characteristics and Oral Bioavailability of Class II Drugs by Spray Drying and Dry Emulsion Techniques: *In Vitro* and *In Vivo*			Dr. Anil R. Pawar	75000	2	Completed

Evaluation.						
Total Sanctioned Amount				**575000**		

5.7.3. Consultancy (from Industry) (10)-Nil- **Self-assessment Marks: 00**

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

Self-assessment Marks: 03

5.7.4.1. Consultancy from Local Institutes

Sr.No.	Project title	Principal Investigator	Institute consultant	Funds Provided	Duration of the Project	Year
1	Determination of anticonvulsant activity of synthesized compounds	Mr. Bharat Honde	Dr.R.B. Pandhare	17000	1 month	2021
2	Antihyperlipidemic study of biodegradable polymeric nanoparticles	Mrs. SuvarnaBhokare	Dr.R.B. Pandhare	45000	3 Months	2020
3	Solubility enhancement and development of oral fast dissolving DDS of Nitrendipine	Mrs. Neha Vishal Gandhi	Dr.R.B. Pandhare	24900	6 Months	2017
4	Evaluation of Analgesic activity of Martynia	Mr. SantoshShivajiBansode	Mr. S.M. Bairagi	500	15 Days	2017
5	Pharmacological Evaluation of Plants Extract in Management of Acidity	Mrs. VandanaPatil	Dr.R.B. Pandhare	12000	3 Months	2016

5.7.5. Development activities (5) **Self-assessment Marks: 05**

Provide details:

- *Product Development*
- *Research laboratories*
- *Instructional materials*
- *Working models/charts/monograms*

- **Product Development**

Our institute always focuses on the continuous development of students and faculty members. The faculty members are engaged in research activities supported by BoD, SPPU, Pune.
The faculty members have developed the products whichare appreciated at Avishkarlevel.

Table 5.7.5.1: Product development by Faculty

Sr.No.	Name of Faculty	Name of Product
01	Dr. Jyoti G. Wagh	Phytofiltration Assembly for waste water treatment
		Methvera Herbal Hair oil
		Hair Tonic from cow urine
		Herbal Lollipops for anthelmintic and anticavity dental activity
		Nutritional food: ideal treatment and preventive measure for cancer
		Gymnemasylyerstre incorporated food for diabetes mellitus
		Edible plates for oral hygiene
		Modified Kumkum Powder to Reduce Allergic Reaction.
		Madhunashni integrated food product for diabetes mellitus
02	Mrs. Varsha S. Jadhav	Wound healing cream of *Achyranthesaspera.*
03	Dr. Ramdas B. Pandhare	Herbal toothpaste of various plant extracts
		Cough Lozenges from various plant extracts.
04	Mr. Abhijeet A. Aher	Herbal Lipstick from pigments of BixaOrellena Seeds

- **Research laboratories**

College research activities are well supported by state of art central instrumentation facility and Industrial Pharmacy Laboratories. New Instruments are purchased as per the requirement and laboratories are continuously upgraded to support the academic and research activities. Our college utilizes QIP grants offered by SPPU, Pune for purchase of laboratory equipment. These laboratories are well equipped with advanced instruments which are available to students and faculty. Sophisticated analytical instruments available in the department are provided with standard operating procedures and Log book registers for maintaining the usage of instruments and equipment. The research facility is made available for other institutes on hire basis. Committee for The Purpose of Control and Supervision on experimental Animals(CPCSEA**)** approved animal house

facility is used by our students as well as the services are also made available on hire basis for research activities of other institutes.

- **Instructional materials.**

The instructional material for students for online academic learning is provided through Google classroom (e.g. Videos, assignments, MCQs and digital notes). The material is also made available on college website and college YouTube Channel.

For practical, SOPs and laboratory manuals are provided to the students.

- **Instructional materials and Working models/charts/monograms**

Informative charts and models prepared by the students under the guidance of teaching staff. They are displayed in the laboratories and corridors. Daily visualization of these models and charts,helps the studentsin understanding and remembering the concepts.

Students of our college, actively participate in various 'Social Awareness Programs'. They are involved in the preparation of pamphlets that are distributed in the society for creating health awareness. Students are also engaged in preparation of charts and monograms on topics like Diabetes, Eye donation, Corona awareness, Nutritional values of Diet etc.,which are made available to the NSS officer for display in NSS Camps.

5.8 Faculty Performance Appraisal and Development System (FPADS) 20

Self-assessment Marks: 20

Faculties of Higher Education Institutions today have to perform a variety of tasks pertaining to diverse roles. In addition to instruction, Faculty needs to innovate and conduct research for their self-renewal, keep abreast with changes in technology, develop expertise for the effective implementation of curricula.

They are also expected to provide services to the hospitals/ industry and community in large for Understanding and contributing to the solution of real life problems. Another role relates to the shouldering of administrative responsibilities to co-operation with other Faculty, heads-of-departments and the Head of Institute.

An effective performance appraisal system for Faculty is vital for optimizing the contribution of individual Faculty to institutional performance.

- *The assessment is based on a well defined system instituted for all the assessment years*
- *Its implementation and effectiveness.*

Key points for faculty appraisal are:

Performance based Self-Appraisal takes into account a feedback evaluation. The faculty is assessedannually by the Self-Appraisal method, Peer Evaluation and a robust Student Feedback System. The analysis is done based on following parameters: Results, number of seminars, conferences attended, contribution to the college and community, books, papers and patents published, grants received and special awards and consultancy work. However student feedback isgiven top priority and this is dulycommunicated at personal level by the Principal to the faculty. A

teacher who secures 100% results in his/her subject is motivated by being presented with a Certificate of Appreciation.

The “Best Teacher” award has also been instituted wherein a teacher receives a certificate and memento from Management based on evaluation. The college also encourages Faculty Self-Development to pursue higher education (Ph.D.) by offering study leave and full support in terms of facilities available in the college. Faculty participation in continuing education programs, various national and international conferences, sponsored registration and workshops is encouraged through financial assistance and providing duty leave. The seed money of Rs.1,00,000/- is allocated by the management for the said activities. This appraisal system has given way for motivation, further development and up-gradation of their skills and knowledge.

Key points for faculty appraisal are:

- Students feedback
- Annual results and Actions taken to improve the results.
- Mentoring to students.
- Use of ICT technology for teaching.
- Conduction and submission of departmental activities documents.
- Research Grants
- Research work as evidenced from publications
- Workshops/Conferences/ seminars organized
- Workshops/Conferences/ seminarsattended
- Project guidance rendered.
- Contribution to Professional society
- Other initiatives for department and College Development
- Contribution to Society

5.9 Visiting / Adjunct Faculty (5): **Self-assessment Marks: 05**

Adjunct faculty also includes experts from Industry, Research Organizations/Universities and other Government Organizations. Provide details of participation and contributions in teaching and learning and /or research by visiting/adjunct faculty for all the assessment years.

Table 5.9.1. List of Visiting/Adjunct Faculty

Sr. No.	Name of the Visiting Faculty	Subject	Total Hours	Target Audience
Academic Year 2020-2021				
1	Mr. Santosh P. Bhusari	Remedial Mathematics	30	First Year B. Pharmacy
2	Mr. Santosh S. Sukalkar	Computer Applications in Pharmacy	105	First Year B. Pharmacy
3	Mr. Pratap S. Yelwande	Remedial Biology	30	First Year B. Pharmacy
4	Mr. Sunil A. Chandelia	Democracy and Constitution	30	First Year B. Pharmacy
Academic Year 2019-2020				
1	Mr. Santosh P. Bhusari	Remedial Mathematics	30	First Year B. Pharmacy
2	Mr. Santosh S. Sukalkar	Computer Applications in Pharmacy	105	First Year B. Pharmacy
Academic Year 2018-2019				
1	Mr. Santosh P. Bhusari	Remedial Mathematics	30	First Year B. Pharmacy
2	Mr. Santosh S. Sukalkar	Computer Applications in Pharmacy	105	First Year B. Pharmacy

Criterion 5 Faculty information and contribution
Self Assessment Worksheet

Sr.No	Sub Criteria	Max. Marks/ Weightage	Self-assessment Marks	Marks Awarded
5.1	Student faculty ratio	20	16	
5.2	Faculty Cadre Proportion	20	14.16	
5.3	Faculty qualification	20	10.16	
5.4	Faculty retention	20	20	
5.5	Innovation by faculty in teaching and learning	15	15	
5.6	Faculty as participant in faculty development/ training activity	15	15	
5.7	Research and development	40	-	
5.7.1	Academic Research	10	10	
5.7.2	Sponsored Research	10	02	
5.7.3	Consultancy (from Industry)	10	00	
5.7.4	Honorary consultancy from central/state/local government organization	05	03	
5.7.5	Development Activities	05	05	
5.8	Faculty performance Appraisal and development system (FPADS)	20	20	
5.9	Visiting/Adjunct faculty	05	05	
Total		**175**	**135.32**	

CRITERION 6

Facilities and Technical Support

CRITERION 6	Facilities	120

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

Self-assessment Marks:20

(Facilities for conducting theory classes)

- Sufficient class rooms are available for conducting theory classes and tutorials for the first to final year B. Pharm students (Table 6.1.1).
- Class rooms are provided with good ventilation, LCD projector, uninterrupted power supply and high speed LAN connection of internet (40 mbps).
- Sufficient tutorial rooms are available to conduct tutorial classes for students.
- A seminar hall with a capacity of 200 is available to conduct seminars, guest lectures and workshops.
- Other facilities in classrooms- Fans, Tube Lights, Benches, CCTV, Podium etc.

Table 6.1.1: Facilities available for conducting theory classes

Facilities	Existing	CCTV, Fans, Tube Lights, Benches	Inverter Power back and Internet connection	Well ventilated and Furnished	LCD Projector
Class Rooms	05	Available	Available	Available	Available
Seminar Hall	01	Available	Available	Available	Available
Tutorial Rooms	05	Available	Available	Available	Not available

6.2. Faculty rooms (10)

Self-assessment Marks: 10

(Conducive sitting place)

Availability of faculty rooms

Adequate rooms and cabins are available to accommodate faculty members. The college has a common faculty room,HOD cabins and also laboratory staff rooms (Table 6.2.1)

- Principal's cabin is provided with good ventilation, Computer connected by LAN and provided with internet facility and CCTV control and monitoring system.
- HODs' cabinsare provided with computer, internet and printer facility. Department wise separate cabinsare allocated.
- Faculty members have been provided with computers and internet facility.
- All faculty rooms and cabins are well furnished and provided with basic furniture like tables, chairs, cupboards and lockers.The common Staff room is provided with computers equipped with high speed LAN connection of internet (40 mbps).
- Security cabin is available at the college entrance.

Table 6.2.1: List of faculty rooms

Sr. No.	Room Description	Number	Capacity	Rooms Equipped With
1	Principal Cabin	01	NA	Computer, Chairs, E-journal access, Table, CCTV surveillance, Intercom facility
2	Cabin for HOD Pharmaceutics	01	01	Computer, E-journal access, Chairs, Table, internet LAN, Cupboard, Intercom facility
3	Cabin for HOD Pharmaceutical Chemistry	01	01	Computer, E-journal access, Chairs, Table, internet LAN,Printer, Cupboard, Intercom facility
4	Cabin for HOD Pharmacology	01	01	Computer, E-journal access, Chairs, Table, internet LAN,Printer, Cupboard, Intercom facility
5	Cabin for HOD Pharmacognosy	01	01	Computer, E-journal access, Chairs, Table, internet LAN,Printer, Cupboard, Intercom facility
6	Common Faculty room	01	15	Computer, E-journal access, Notice board, InternetLAN, Table, Chairs, Computer, Cupboard, Intercom facility
7	Laboratory Staff Rooms	15	30	Table, Chairs, Cupboard, Intercom facility
8	Security Cabin	01	01	Chair, Table, Intercom facility

6.3.Laboratories including preparation room (wherever applicable), instrument/machine room and computer labs along with equipment and relevant facilities (60)Self-assessment Marks:60
(Scientific Experiments Conducting/Computing facilities: availability, adequacy & effectiveness).

The college has 16 laboratories,with preparation rooms, required equipments and other necessary facilities and one CPCSEA approved animal house (Table 6.3.1).

- Facilities viz. gas, water, drainage, fire extinguishers, first aid boxes, fuming cupboards (Chemistry Dept.), exhausts fans, etc. is available in alllaboratories.
- All laboratories are provided with good electrical fixers and plumbing facilities.
- Numbers of experiments conducted in the laboratory are as per the SPPU syllabus.

Table 6.3.1: Information about Laboratories

Sr. No.	Lab Description	Batch size	Availability of Manuals	Quality of instruments	Safety measures	Remarks
1	Computer Lab	30	Available	Working condition	Fire Extinguisher, Do's and Don'tsChart,Anti-virus	Available
2	Pharmaceutical Chemistry Lab I	25	Available	Working condition	Fire Extinguisher, Do's and Don'ts Chart, First aid kit, Exhaust fan, Fuming Cupboard, Eye washer	Available
3	Pharmaceutics	25	Available	Working	Fire Extinguisher, Do's and	Available

	Lab I			condition	Don'ts Chart, First aid kit	
4	Pharmacology Lab I	25	Available	Working condition	Fire Extinguisher, Do's and Don'ts Chart, First aid kit	Available
5	Pharmacognosy Lab	25	Available	Working condition	Fire Extinguisher, Do's and Don'ts Chart, First aid kit	Available
6	Machine Room	25	Available	Working condition	Fire Extinguisher, Do's and Don'ts Chart, First aid kit	Available
7	Pharmaceutical Chemistry Lab II	25	Available	Working condition	Fire Extinguisher, Do's and Don'ts Chart, First aid kit, Exhaust fan	Available
8	Pharmaceutics Lab II	25	Available	Working condition	Fire Extinguisher, Do's and Don'ts Chart, First aid kit	Available
9	Pharmaceutical Chemistry Lab III	25	Available	Working condition	Fire Extinguisher, Do's and Don'ts Chart, First aid kit, Exhaust fan,	Available
10	Instrument Lab	25	Available	Working condition	Fire Extinguisher, Do's and Don'ts Chart, First aid kit	Available
11	Research Lab	15	Available	Working condition	Fire Extinguisher, Do's and Don'ts Chart, First aid ,AC	Available
12	Pharmaceutics Lab III	25	Available	Working condition	Fire Extinguisher, Do's and Don'ts Chart, First aid kit	Available
13	Pharmaceutical Chemistry Lab IV	25	Available	Working condition	Fire Extinguisher, Do's and Don'ts Chart, First aid	Available
14	Quality Assurance Lab	25	Available	Working condition	Fire Extinguisher, Do's and Don'ts Chart, First aid kit	Available
15	Pharmacy Practice	25	Available	Working condition	Fire Extinguisher, Do's and Don'ts Chart, First aid	Available
16	Human Anatomy and Physiology Lab	25	Available	Working condition	Fire Extinguisher, Do's and Don'ts Chart, First aid kit	Available
17	Animal House	25	Available	Working condition	Fire Extinguisher, Do's and Don'ts Chart, First aid kit, Exhaust Fan, AC.	Available

Table 6.3.2: List of Equipment in Instrument Room / Pharmaceutical Chemistry

Sr. No.	Name of the Equipment	Make & model	SOP	Log Book
1	UV-Visible Spectrophotometer	Jasco V 630	Available	Available
2	HPLC	Jasco LC NetII ADC	Available	Available
3	FTIR with ATR	Jasco FT/IR- 4600	Available	Available
4	Digital pH Meter	EQUIPTRONIC EQ 610	Available	Available
5	NepheloTurbidityMeter	Systronics 4819	Available	Available
6	Digital Potentiometer	EQIIPTRONICS EQ 601	Available	Available

7	Digital Flame Photometer	Dolphin	Available	Available
8	Digital Electronic Balance	Shimadzu BL220H	Available	Available
9	Glass distillation Assembly	Borosil	Available	Available
10	Single Distillation Assembly	Borosil	Available	Available
11	Conductivity Meter	TANCO EQ 636	Available	Available
12	Photoflurimeter	Systronics 597	Available	Available
13	Hot Air Oven	Metalab	Available	Available
14	Vacuum Filtration Assembly	Dolphin T D 45	Available	Available
15	Digital M.P/ B.P Apparatus	P SAW India	Available	Available
16	Polarimeter	Dolphin PH0632	Available	Available
17	Uitrasonicator	Citizen CD 4820	Available	Available
18	Microwave Oven	Catalyst System CATA 2R	Available	Available
19	Abbes Refractometer	Dolphin	Available	Available
20	Photoelectric Colorimeter	Systronic	Available	Available
21	Refrigerator	Godrej Pentacool	Available	Available
22	Muffle Furnace	Borosil	Available	Available
23	Hot Plate with Magnetic Stirrer	Remi	Available	Available
24	Motor Stirrer	Remi	Available	Available
25	Fuming Cupboard	Dolphin	Available	Available
26	Deep Freezer	Haier	Available	Available
27	Double Distillation Assembly	Borosil	Available	Available
28	KippsApparatus	Borosil	Available	Available

Table 6.3.3: List of Equipment in Machine Room

Sr.No.	Name of the Equipment	Make & model	SOP	Log Book
1	Tablet Compression Machine	Karnavati, (MinipressII)	Available	Available
2	Disintegration Test Apparatus	Electrolab (ED2AL)	Available	Available
3	Friability Test Apparatus	Electrolab (EF2W)	Available	Available
4	Dissolution Test Apparatus	Electrolab (TDT-08L)	Available	Available
5	UV Visible Double Beam Spectrophotometer	Shimadzu (UV1800)	Available	Available
6	Digital Viscometer	Brookfield(LVDV-I-PRIME)	Available	Available
7	Coating Pan, Polishing Pan	PSAW	Available	Available
8	Double Cone Blender	Tanco	Available	Available
9	Ball Mill	National	Available	Available
10	Capsule Filling Machine	National	Available	Available
11	Sieve Shaker	Labstar	Available	Available

Table 6.3.4: List of Equipment in Department of Pharmaceutics

Sr.No.	Name of the Equipment	Make & model	SOP	Log Book
1	Tray dryer	PLT-129, Tanco	Available	Available
2	Bottle washing machine	Tanco	Available	Available
3	Hot air oven	Dolphin	Available	Available
4	Capsule filling machine	Dolphin	Available	Available
5	Bulk density apparatus	Dolphin	Available	Available
6	Hardness Tester	Monsanto and Pfyzer	Available	-
7	Vernier Caliper	Dolphin	Available	-
8	Laminar air flow	Dolphin TM	Available	-
9	Filtration assembly	Dolphin	Available	-
10	Autoclave	Type RT-110PB, Code-017, INDFOS	Available	Available
11	Clarity test apparatus	Dolphin	Available	-
12	Hot plate	Dolphin	Available	-
13	BOD incubator	Dolphin	Available	Available
14	Refrigerator	Dolphin	-	-
15	Antibiotic zone reader	Tanco	Available	-
16	Magnetic stirrer with hot plate	Coslab	Available	-
17	Incubator	Almicro	Available	Available
18	Digital pH cum potentiometer	Equip-tronics	Available	Available
19	Digital electronic microscope	BA 210, Motic	Available	Available
20	Digital Electronic balance	BL-220H Shimadzu	Available	Available
21	Centrifuge	Dolphin	Available	Available
22	Mini Stirrer with PMPC motor	REMI	Available	-

Table 6.3.5: List of Equipment in Department of Pharmacology

Sr. No.	Name of the Equipment	Make & model	SOP	Log Book
1	Biochemistry Analyzer	Benespera C-61	Available	Available
2	Digital Actophotometer	Besto	Available	Available
3	Digital Micro Centrifuge	P- Saw	Available	Available
4	Electroconvulsometer	Besto	Available	Available
5	Digital Telethermometer	National KI-9615-2	Available	Available
6	Histamine Chamber,	National	Available	Available
7	Digital Analgesiometer	Besto	Available	Available
8	Cook's Pole Climbing Apparatus	National	Available	Available

9	Rota-rod Apparatus	Dolphin	Available	Available
10	Metabolic cage	Dolphin	Available	Available
11	Rotary Microtome	P -Saw	Available	Available
12	Rabbit Cages	Dolphin	-	-
13	Y- maze	Self made	Available	Available
14	Radial arm maze	Self made	Available	Available
15	Elevated Plus maze	Self made	Available	Available
16	T- maze	Self made	Available	Available
17	Sphygmomanometer	Infi	Available	-
18	Sherrigton's Rotating Drums	Orchid	Available	Available
19	Animal weighing Balance	Dolphin	Available	Available
20	Refrigerator	Godrej	-	-
21	Spiro meter	P-Saw	Available	Available
22	Digital BP Apparatus	Dr.Morepen	Available	Available
23	Human Skeleton Model	Shambhaviimpex	-	-
24	Digital Plethysmometer	Lab Science	Available	Available
25	Refrigerator	LG	-	-

Table 6.3.6: List of Equipment in Department of Pharmacognosy

Sr.No.	Name of the Equipment	Make & model	SOP	Log Book
1	Autoclave	Dolphin	Available	Available
2	Colony Counter	Dolphin	Available	-
3	Electrical water bath	Dolphin	Available	Available
4	Camera lucida	BiocraftSci	-	-
5	Centrifuge	Tanco	Available	Available
6	Compound microscope	Dolphin	Available	Available
7	Balance	Dolphin	Available	Available
8	Hot air oven	Metalab	Available	Available
9	Eyepiece micrometer	Dolphin	-	-
10	Stage micrometer	Dolphin	-	-
11	Heating mantle	Dolphin	Available	Available
12	Projection microscope	Lynx	Available	Available
13	UV Cabinet	Labline	Available	Available
14	IR moisture balance	Tanco	Available	Available
15	Distillation Unit	National	Available	Available
16	Muffle furnace	Tanco	Available	Available
17	Clavenger apparatus	Agrawal Lab.	Available	Available
18	Binocular microscope	Lynx	Available	Available
19	Triple beam balance	Dolphin	Available	Available
20	Refrigerator	LG	-	-

Equipment list: Computer Laboratory

The college has a well equipped computer laboratory. It has the requiredhardware, software, and uninterrupted power supply and internet facility with 40MBPS Speed (Table 6.3.7). This laboratory is used by the students and staff for surfing websites, accessing databases and referring online literature. This facility is also used by the faculty for preparing e-content for teaching and learning.

Table 6.3.7: List of facilities in Computer Laboratory

Sr. No.	Name of the Equipment	Make & model	Number	Log Book
1	Computer	HP/Lenovo/DELL	30	Available
2	Laptop	HP/ Lenovo	01	-
3	Antivirus	Quick Heal	30	-
4	Printer-Scanner/ Photocopier	Canon IR-2525	01	-
5	Colour printer-Scanner	EPSON-L380	01	-
6	Scanner	Canon LIDE-120	01	-
7	Language Lab Software	BiyaniTachnology	01	-
8	LCD Projector	Sony	01	-
9	Smart Board	Kyan	01	-
10	Invertor back up (3 KVA)	SUKAM -	01	-
11	Headphones	Zebion	20	-
12	Chemsketch	ACD LAB -11.4	01	-
13	X-cology	PragatiPrakashan	01	-
14	X-Pharm	Free version	01	-
15	Ioncudos	Ionidea	01	-

6.4. Drug Museum (5)

Self-assessment Marks:05

(Type & quality of collection in the museum with proper labeling and display)

Type and quality of collection in the museum with location, labeling and display

- Adequate and sufficient museumshowcases are placed in the corridors. This becomes visible to everyone in the college.
- The museum is designed with transparent sliding glass and proper labeling to products so that they are clearly visible to all.
- Regular cleaning schedule is followed for museum.
- The products are updated from time to time on par with the latest developments in the market.
- In addition to this, various informative charts pertaining to the history of pharmacy, sources of drugs and information related to drugs have been displayed on flex boards in prominent places inside the corridors and laboratories.

Department of Pharmaceutics

- In the museum of department of Pharmaceutics, various dosage forms (solid, liquid, semisolid, cosmetics, surgical and sterile products) are displayed (Table 6.4.1).

Table 6.4.1: List of products in museum (Department of Pharmaceutics)

Sr. No.	Type of dosage form	Brand name	Content	Quality of collection	Labelling & Display
1	**Solid dosage form**	O2 Tablet	Ofloxacin	Marketed preparation	Available
		Azee Tablet	Azithromycin	Marketed preparation	Available
		Cipcal Tablet	Calcium Carbonate Cholecalciferol	Marketed preparation	Available
		Crocin Tablet	Paracetamol	Marketed preparation	Available
		Aciloc Tablet	Ranitidine	Marketed preparation	Available
		Omee capsule	Omeprazole	Marketed preparation	Available
		Pan-D capsule	PantaprazoleDomperidone	Marketed preparation	Available
		Becosules capsule	B-Complex	Marketed preparation	Available
		Evion 400 capsule	Vit-E	Marketed preparation	Available
		Vitomin-D3 granules	Cholecalciferol	Marketed preparation	Available
		Candid Dusting Powder	Clotrimazole	Marketed preparation	Available
2	**Liquid dosage form**	Benadryl Cough Syrup	Diphenhydramine,Ammoniu m Chloride	Marketed preparation	Available
		Ascoril Cough Syrup	Ambroxol, Guaifenesin, Levosalbutamol	Marketed preparation	Available
		Calpol Suspension	Paracetamol	Marketed preparation	Available
		Azithron Suspension	Azithromycin	Marketed preparation	Available
		Duphalac Solution	Lactulose	Marketed preparation	Available
3	**Semi solid dosage form**	Betnovate Cream	Betamethasone Valerate	Marketed preparation	Available
		Wokadine Ointment	Povidone Iodine	Marketed preparation	Available
4	**Cosmetics**	Face product	Face beauty cream, face powder, face wash, foundation cream, compact powder, peel of mask	Marketed preparation	Available
		Eye cosmetics	Eye mascara, eye liner, eye shadow	Marketed preparation	Available

		Nail cosmetics	Nail polish, nail enamels, nail polish remover, nail lacquer	Marketed preparation	Available
		Hair cosmetics	Hair gel, hair dye, hair removal cream, shampoo	Marketed preparation	Available
		Skin care cosmetics	Sunscreen lotion, skin gel, skin cream	Marketed preparation	Available
		Lip cosmetics	Lipstick, lip-gloss	Marketed preparation	Available
		Tooth cosmetics	Tooth paste, tooth powder, mouth wash	Marketed preparation	Available
5	**Sterile products**	Sterile products	Needle, syringe, mask, gloves, ampoules, vials, cotton,eye drops, eye lotions, eye ointments, eye gels Injections, transfusion fluids, sterile suspensions, sterile solids, sterile solutions or emulsions, Water For Injection, Infusion Set.	Marketed preparation	Available
6	**Surgical products**	Surgical products	Suture ,Gloves ,Mask, Cotton, Surgical Tape, Crepe Bandage, Elastic Adhesive Bandage, Needles	Marketed preparation	Available
7	**NDDS**	New products	Sustained release, Controlled release, Orodispersible dosage forms, reconstituted suspensions, prefilled syringe, Osmotic pumps, Dry powders, N 95 Mask, Sanitizer etc.	Marketed preparation	Available

Department of Pharmacognosy

- In the museum of Department of Pharmacognosy, different crude drugs are kept for student reference (Table 6.4.2)and List of Marketed Herbal Products (Table 6.4.3)

Table 6.4.2: List of crude drugs in museum (Department of Pharmacognosy)

Sr. No.	Name	Type	Quality of collection	Synonyms	Content	Labelling& Display
1	Rauwolfia	Natural product	Crude	Sarpgandha	Reserpine	Available
2	Ipecacunha	Natural product	Crude	Ipecac	Emetin	Available
3	Liquorice	Natural product	Crude	Yastimadhu	Glycerrhyzine	Available
4	Ashwagandha	Natural product	Crude	Asgandh	Withanolides	Available
5	Senna	Natural product	Crude	Sonmukhi	Sennosides	Available
6	Neem	Natural product	Crude	Kadunimb	Azadiractin	Available
7	Datura	Natural product	Crude	Dhotara	Hyoscine	Available

8	Eucalyptus	Natural product	Crude	Nilgiri	Volatile oil	Available
9	Nuxvomica	Natural product	Crude	Crow fig	Strychnine	Available
10	Bavachi	Natural product	Crude	Psoralia	Coumarins, Psoralen	Available
11	Castorseeds	Natural product	Crude	Erand	Fixed oils	Available
12	Linseed	Natural product	Crude	Javas	Fixed oil	Available
13	Isapgol	Natural product	Crude	Ispaghula	Mucilage	Available
14	Coriander	Natural product	Crude	Dhaniya	Volatileoil	Available
15	Dill	Natural product	Crude	Anethum	Volatileoil	Available
16	Caraway	Natural product	Crude	Caraway	Volatileoil	Available
17	Cardamom	Natural product	Crude	ChotiElaichi	Volatileoil	Available
18	Amala	Natural product	Crude	Avala	Vit.C	Available
19	Bahera	Natural product	Crude	Baheda	Tannins	Available
20	Fennel	Natural product	Crude	Barisaunf	Volatileoil	Available
21	Acacia	Natural product	Crude	Indian gum	Carbohydrates	Available
22	Tragacanth	Natural product	Crude	Gum tragacantha	Carbohydrates	Available
23	Pale catechu	Natural product	Crude	Catechu	Tannins	Available
24	Benzoin	Natural product	Crude	Sumatra Benzoin	Benzoic acid	Available
25	Black catechu	Natural product	Crude	Kattha	Tannins	Available
26	Asafoetida	Natural product	Crude	Devil's dung	Oleogum resins	Available
27	Ginger	Natural product	Crude	Adrak	Volatile oil	Available
28	Turmeric	Natural product	Crude	Haldi	Curcuminoids	Available
29	Kurchi	Natural product	Crude	Holarrhena	Conessin	Available
30	Cinnamon	Natural product	Crude	KalmiDalchini	Volatileoil	Available
31	Cinchona	Natural product	Crude	Jesuit's bark	Quinine	Available
32	Ashoka	Natural product	Crude	Ashoka Bark	Tannins	Available
33	Arjuna	Natural product	Crude	Arjun bark	Tannins	Available

Table 6.4.3: List of Marketed Herbal Products

S.N.	Type of formulation	Form	Brand name	Manufacturer	Content	Uses
1	Cream	Semisolid	Vicco Turmeric Cream	Vicco	Turmeric extract	Antiseptic
2	Cream	Semisolid	Relaxyl	Franco Indian Pharmaceuticals Pvt. Ltd	Capsicum extract	Counter Irritant
3	Chyavan-prash	Semisolid	DaburChyavan prash	Dabur	Yashtimadhu, Tulsi, Clove, Amala, Cinnamon, ginger,	Immunom-odulator
4	Tooth paste	Semisolid	Complete Care	Himalaya	Neem, Pomgranate, Triphala,	Dentifrice
5	Churna	Solid	KayamChurna	Sheth Brothers	Senna leaves, Ajwain, Yashtimadhu, Black salt	Stimulant laxative
6	Tablet	Solid	Bresol	Himalaya	Haridra, Tulasi, Vasa, Triphala, Trikatu, Vidanga, Musta, Twak, Elaichi, Nagakeshara	Antiallergic
7	Vatika	Solid	Kanthsudharakvati	Baidyanath	Yashtimadhu. Javitri, peppermint, kapoor, Elaichi	Expectorant
8	Kalp	Solid	ShatavariKalp	Baidyanath, Himalaya, Santulan	Shtavari, Elaichi, Sharakara	Woman tonic
9	Lepa	Solid	BajrangLepa	BhawsarPharma	Daruhaldi, manjishta, Jivanti, Ghritam	Anti inflammatory
10	Asava	Liquid	Drakshasava	Baidynath	Munakka, Kababchini, Chaturjat, Laung, Javitri, Jaiphal, Marich, Piplamul, Chavya, Dhataki, Jaggery (Gud)	Appetizer
11	Arishta	Liquid	Ashokarishta	Baidynath	Ashok, Jirak, Motha, Triphala, Sunthi, Amraseed, Vasak, Chandan, Dhataki ,Jaggary.	Woman health tonic
12	Tail	Liquid	Mahabringraj	Baidynath	Haridra,Bhringraj,	Hair tonic

					nagkeshar, Manjishta	
13	Shampoo	Liquid	Antidandruff shampoo	Himalaya Herbals	Tea tree oil,Tulasi, Soapberry, Bibhitika	Hair care
14	Syrup	Liquid	Adusol	Ajanta	Adulsa, liquorice, Tulsi, ginger, Lemongrass, camphor, peppermint	Expectorant
15	Taila	Liquid	Indulekha hair oil	Indulekha	Neem, bhringraj, amalaki , aloevera	Hair tonic

Department of Pharmaceutical Chemistry

- In the museum of Department of Pharmaceutical Chemistry, different glasswares are displayed (Table6.4.4).

Table 6.4.4: List of glassware in museum (Department of Pharmaceutical Chemistry)

Sr. No.	Type	Quality of collection	Name of Models/Charts/Glassware	Use
1	Plastic	Model	Ball And Stick Model	Use to understand arrangement of atoms
2	Borosilicate glass	laboratory glassware	Nessler Cylinder	Use to check impurity in sample
3	Borosilicate glass	laboratory glassware	Volumetric Flask	Specifies a precise volume measurement
4	Borosilicate glass	laboratory glassware	Erlenmeyer Flask (Conical Flask)	Allow the contents of the flask to be mixed by swirling, without risk of spillage
5	Borosilicate glass	laboratory glassware	Burette	Quantitative chemical analysis
6	Borosilicate glass	laboratory glassware	RBF And Condenser	Separates liquids of different boiling points.
7	Borosilicate glass	laboratory glassware	Evaporating Dish	Use to obtain residue from liquid
8	Borosilicate glass	laboratory glassware	Magnetic Beads	Use for stirring
9	Borosilicate glass	laboratory glassware	GraduatedCylinder (Measuring Cylinder)	Used to measure the volume of a liquid
10	Borosilicate glass	laboratory glassware	Volumetric Flasks	Used for precise dilutions and preparationof standard solutions
11	Borosilicate glass	laboratory glassware	Test Tubes	Use for qualitative experiments and assays

12	Borosilicate glass	laboratory glassware	Reagent Bottles(Media Bottles)	Contain chemicals in liquid or powder form
13	Borosilicate glass	laboratory glassware	Pipette	Measured volume of liquid
14	Borosilicate glass	laboratory glassware	Iodine Flasks	Used for the determination of iodine.
15	Borosilicate glass	laboratory glassware	Two necked flask	Use to add chemical during reaction

Department of Pharmacology

- In museum of Department of Pharmacology, different models and charts for routes of administration, clinical and preclinical trials are displayed (Table 6.4.5).

Table 6.4.5: List of models and charts in the museum (Department of Pharmacology)

Sr. No.	Type	Quality of collection	Name	Use
1	Routes of Administration	Chart	Different types of routes of administration	Administration of medicines
2	New Drug Discovery	Model and Chart	Different stages of Clinical and preclinical trials	Drug development and discovery
3	Contraceptive Devices	Medical Devices	Copper-T, IUD, Condoms etc.	Contraceptives
4	Surgical Equipments	Medical Devices	Scissor, Forceps, Gloves, different kits etc.	For surgical procedure and diagnosis
5	Experimental Animals	Model	Rat, Mice, Rabbit, Guinea Pig, Hamster, Cat, Monkey, Dog, Frog etc.	Experimental Use and Features

6.5. Medicinal Plant Garden (5) **Self-assessment Marks:05**

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

Different medicinal and aromatic plants have been planted 25 years ago in the lush green campus of Mula Education Society, Sonai (Table 6.5.2). The medicinal garden is located in premises of college. The garden site is permanent. The college also has a medicinal plant garden in which a rich collection of medicinal plants are planted and maintained (Table 6.5.1). All plants are properly labeled with their botanical name, family, parts used, chemical constituents and medicinal uses. A gardener, appointed for this purpose, take care of watering the plants and maintaining cleanliness

in the garden. The total area of medicinal plant garden is929 sq.m. Plants which are sensitive to sunlight are planted under shade.

Table 6.5.1: List of Medicinal Plants

Sr. No.	Vernacular name	Botanical name & Family	Plant part	Medicinal Use
1	Adulasa	*Adhatodavasica* (Acanthaceae)	Leaves	Expectorant
2	Allspice	*Pimentadioica* (Myrtaceae)	Leaves, Fruits	Aromatic, Spices
3	Aloe vera	*Aloe barbadense* (Lilliaceae)	Leaves	cosmetics
4	Arjun	*Terminaliaarjuna* (Combretaceae)	Bark	Cardiotonic, hypotensive
5	Ashwagandha	*Withaniasomnifera* (Solanaceae)	roots	Immunomodulators
6	Avala/Amla	*Emblicaofficinalis*(Euphorbiaceae)	fruits	Atiaging, Immunomodulator
7	Biba	*Semecarpusanacardium* (Anacardiaceae)	seeds	Anti inflammatory
8	Bixa	*Bixa annatto* (Bixaceae)	seeds	Colouring agent
9	Cardamom	*Elleteriacardamomum* (Zingiberaceae)	fruits	Stimulant, Flavouring agents
10	Cassia	*Cinnamomum cassia* (Lauraceae)	bark	Spices
11	Chukrasia	*Chukrasiatabularis* (Meliaceae)	Leaves, Bark	Antipyretic, Astringent
12	Cinnamon	*Cinnamomumzelanicum* (lauraceae)	Bark	Flavouring agent, Stimulant
13	Citronella	*Cymbopogonnordus* (Poaceae)	leaves	Flavouring agent
14	Guava	*Psidiumguajava* (Myrtaceae)	Fruit	Nutrient
15	Gudmar	*Gymnemasylvestre* (Apocynaceae)	leaves	Antidiabetic
16	Guggul	*Commiphoraweghtii* (Burseraceae)	oleoresins	Hypolipidemic agent
17	Gunj	*Abrusprecatorious* (Fabaceae)	Leaves	Antioxidant, anti-inflammatory
18	Hanuman phal	*Annonacherimula* (Annonaceae)	fruit	Antioxidant, Antidiabetic
19	Hibiscus	*Hibiscus rosasinensis* (Malvaceae)	flowers	Cosmeticsc, Demulscent
20	Hirda	*Terminaliachebula* (Combretaceae)	fruits	Astringent, Woung healing
21	Kapur	*Cinnamomumcamphora*(Lauraceae)	leaves	Pain killer, mental disorder
22	Kapurtulas	*Ocimum sanctum* (Lamiaceae)	leaves	Antimicrobial agent
23	Lajalu	*Mimosa pudica* (Fabaceae)	leaves	Hepatoprotective, Wound healing
24	Lavangtulas	*Ocimumtenuiflorum* (Lamiaceae)	leaves	Antimicrobial agent
25	Laxman phal	*Annonamuricata* (Annonaceae)	Fruit	Nutrients
26	Lemon	*Citrus lemon* (Rutaceae)	fruits	Antioxidant
27	Lemontree	*Cymbopogonflexuosus* (Poaceae)	leaves	Antimicrobial agent
28	Mango	*Mangiferaindica* (Anacardiceae)	Leaves ,	Nutritive

			fruits	
29	Mint	*Menthapiperita* (Lamiaceae)	leaves	Flavouring agent
30	Mogara	*Jasminumsambac* (Oleaceae)	Flowers	Perfumery, cosmetics
31	Muchkund	*Pterospermumacerifolium* (Sterculiaceae)	leaves	Antidiabetic agent
32	Neem	*Azadirachtaindica* (Meliaceae)	Leaves, fruits	Antimicrobial agent
33	Nirgudi	*Vitexnegundo* (Verbenaceae)	Leaves	Anti inflammatory
34	Palas	*Buteamonosperma* (Fabaceae)	Leaves, bark	Anti inflammatory
35	Panfuti	*Bryophyllmpinnatum* (Crassulaceae)	leaves	UTI infection, antidiabetic
36	Pimpal	*Ficusreligiosa* (Moraceae)	leaves	Bronchoconstriction, antidiabetic
37	Putranjiva	*Putranjivaroxburghii*	leaves	Analgesic, Anti-inflammatory, Anti-arthritis
38	Raktrohida	*Tecomella undulate* (Bignoniaceae)	Leaves, bark	Anticancer, hepatoprotective
39	Ramphal	*Annonareticulata* (Annonaceae)	Fruits, leaves	Astringents, nutritive
40	Ranvang	*Solanummelongena* (Solanaceae)	Fruits	Antiarthritic agent
41	Khas	*Vetiveriazizanioides* (Gramineae)	Roots	Aromatic, Perfumery
42	Rudranksh	Elaeocarpussphaericus (Elaeocarpaceae)	Fruits	Asthma, mental disorder
43	Rui	*Calotropisprocera* (Asclepiadaceae)	Leaves, flower	antibacterial activity, anti-inflammatory activity,
44	Samudra phal	*Barringtoniaacutangula*(Lecythidaceae)	Root, leaves, fruit	Antioxidant, antitumor
45	Shatavari	*Asparagus racemosus* (Lilliaceae)	Roots	Galacogogue
46	Shivan	Gmelinaarborea (verbenaceae)	Leaves, bark	Antioxidat,antidiabetic
47	Sitaashok	*Saracaindica* (Leguminosae)	Stem, bark	Uterine tonic, oxytocic
48	Sitaphal	*Annonasquamosa* (Annonaceae).	Fruit, seeds , leaves	Nutritive, antimicrobial agent
49	Tejpan	*Cinnamomumtamala*(Lauraceae)	Leaves	Flavouring agent, Aromatic
50	Tetu	*Oroxylumindicum* (Bignoniaceae)	Seeds, bark	Antimicrobial,anthelmintic
51	Tulsi	*Ocimum sanctum* (Lamiaceae)	Leaves, seeds	Antimicrobial agent
52	Umber	*Ficusracemosa* (Moraceae)	Leaves, fruits	diabetes, diarrohoea ulcers
53	Vad	*Ficusbenghalensis*(Moraceae)	Leaves,	Nutritive, antiasthmatic

			fruits	
54	Vekhand	*Acoruscalamus* (Acoraceae)	Leaves, rhizome	fever, asthma, bronchitis, cough
55	Vinca	*Vincarosea* (Apocyanaceae)	leaves	Anticancer
56	Long pepper	*Piper longum* (Piperaceae)	Fruits	Ayurvedic formulations
57	Black pepper	*Piper nigrum* (Piperaceae)	Fruits	Bioavailability enhancer
58	Betel	*Piper betle* (Piperaceae)	Leaves	Digestive aid
59	Coriander	*Coriandrumsativum*(Umbelliferae)	Leaves, Fruits	Stimulant
60	Capsicum	*Capsicum annum* (Solanaceae)	Fruits	Counter-irritant
61	Papaya	*Carica papaya* (Caricaceae)	Fruits	Nutritive

Table 6.5.2: List of Medicinal and Aromatic Plants in Mula Education Society Campus

S. N.	Sanskrit /Marathi name	Botanical name	Family
1.	Arjuna (अर्जुन)	Terminaliaarjuna	Combretaceae
2.	Ashoka (अशोक)	Saracaasoca	Fabaceae
3.	Asvattha (अश्वत्थ (पिपल)	Ficusreligiosa	Moraceae
4.	Badari (बदरी(बोर)	Zizyphusmauritiana	Rhamnaceae
5.	Bansha (बांस/ बांबू)	Bambusaarundinacea	Poaceae
6.	Bilva (बिल्वा (बेलपत्र)	Aeglemarmelos	Rutaceae
7.	Champaka (चम्पक/सोनचाफा)	Micheliachampaca	Magnoliaceae
8.	Chandana (चंदन)	Santalum album	Santalaceae
9.	Chūta (आम (आंबा)	Mangiferaindica	Anacardiaceae
10.	Dhanva (धन्व/बकुल)	Mimusopselengi	Sapotaceae
11.	Hintāla (हिन्ताल/सायकस)	Cycascircinalis	Cycadaceae
12.	Jambū (जंबू/जांभूळ)	Syzygiumcumini	Myrtaceae
13.	Kadamba (कदंब/कदंब)	Anthocephaluscadamba	Rubiaceae
14.	Karavira (करवीर/कान्हेर)	Neriumindicum	Apocynaceae
15.	Karnikara (कर्णिकार/बहावा)	Cassia fistula	Fabaceae
16.	Ketaka (केतक (केवड/ ,केतकी)	Pandanustectorius	Pandanaceae
17.	Khadira (खदिर/खैर)	Acacia catechu	Fabaceae
18.	KichakaVenu (कीचकवेणू)	Bambusaarundinacea	Poaceae
19.	Kimshuka (किंशुक / पळस)	Buteamonosperma	Fabaceae
20.	Kovidāra (कोविदार/कांचन)	Bauhinia variegata	Fabaceae
21.	Kurantaka (कुरण्टक/कोरांटी)	Barleriaprionitis	Acanthaceae
22.	Kurvaka (कुरवक/मेहंदी)	Lawsoniainermis	Lythraceae

23.	Kūṭaśālmalī (कूटशाल्मली/सावर)	Ceibapentandra	Malvaceae
24.	Mādhavi (माधवी/माधविलता)	Hiptagebenghalensis	Malpighiaceae
25.	Mālatī (मालती)	Jasminumsambac	Oleaceae
26.	Mālatī (मालती)	Jasminumgrandiflorum	Oleaceae
27.	Muchukunda (मुचुकुंद)	Pterospermumsuberifolium	Malvaceae
28.	Naktamāla (नक्तमाल (करंज)	Pongamiapinnata	Fabaceae
29.	Nārikela (नारिकेल)	Cocosnucifera	Arecaceae
30.	Nīla (नील (वड)	Ficusbengalensis	Moraceae
31.	Padma (पद्म (कमळ)	Nelumbonucifera	Nelumbonaceae
32.	Panasa (पनस (फणस)	Artocarpusheterophyllus	Moraceae
33.	Paribhadraka (परिभद्रक/पांगारा)	Erythrinaindica	Fabaceae
34.	Parnasa (पर्णास/तुळस)	Ocimum sanctum	Lamiaceae
35.	Pippali (पिप्पली)	Piper longum	Piperaceae
36.	Plaksha (प्लक्ष)	Ficusreligiosa	Moraceae
37.	Śalmalī (शाल्मली/काटेसावर)	Bombaxceiba	Malvaceae
38.	Shami (शमी)	Prosopis cineraria	Fabaceae
39.	Śimśupa (शिंशुप/शिसम)	Dalbergialatifolia	Fabaceae
40.	Sindhuvara (सिन्धुवार/निर्गुडी)	Vitexnegundo	Verbinaceae
41.	Śiriśa (शिरीष)	Albizzialebbeck	Fabaceae
42.	Supuṣpī (सुपुष्पी/गोकर्ण)	Clitoriaternatea	Fabaceae
43.	Syandana (स्यंदन/ताम्हन)	Lagerstroemia speciosa	Lythraceae
44.	Uddālaka (उद्दालक/भोकर)	Cordiamyxa	Boraginaceae
45.	Parijata(पारिजात)	Nyctanthesarbortristis	Oleaceae
46.	Amlaki(आवळा)	Emblicaofficinalis	Phyllantaceae
47.	Arista (कडूनिंब)	Azadirachtaindica	Meliaceae
48.	Dadima(डाळिंब)	Punicagranatum	Lythraceae
49.	Karir (करीर)	Capparisdeciduas	Capparaceae
50.	Tagar (तगर)	Tabernaemontanadivaricata	Apocynaceae
51.	Supushpi (गोकर्ण)	Clitoriaternatea	Fabaceae
52.	Ramfal (रामफळ	Annonareticulata	Annonaceae
53.	Sitafal (सिताफळ)	Annonasquamosa	Annonaceae
54.	Pashanbhedi (आपटा)	Bauhinia racemosa	Fabaceae
55.	Atibala (अतिबला)	Abutilon indicum	Malvaceae

6.6. Non Teaching Support (20) **Self-assessment Marks:20**

Table 6.6.1: Non Teaching Support

Name of Technical Staff	Designation	Date of Joining	Qualification		Other technical skills gained	Responsibility
			At Joining	Now		
Mr. Madhav Anil Chavan	Office Superintendent	14/06/2011	M A B Ed	M A B Ed	MS-CIT	Official work
Mr. Pritam Haridas Darandale	Accountant	01/05/2012	B A	B A B Ed	-	Account related work
Mr. Sachin S. Potbhare	Junior clerk	01/06/2019	M Com	M Com	MS-CIT, Tally	Official work (Student section)
Mr. Rajeev Vasantrao Gadakh	Junior clerk	29/10/2007	M A	M A	-	Official work (Admission Section)
Mr. Anil Ashok Shingare	Librarian	04/10/2012	HSC	M Lib	-	Maintaining all records, Procurement of books journals monographs etc, To issue and submit books, To maintain record of books, To maintain library softwares
Mr. Dadasaheb Kisan Darandale	Computer In charge	01/12/2015	M A	M A, CCP	-	To maintain computer record To maintain logbooks for computer
Mr.BalasahebRamhariGhodechor	Store In charge	01/01/2020	D. Pharm	D. Pharm	-	To maintain record of chemicals, glassware's, equipments etc.
Mr. Bharat Devrao Mhase	Lab Technician	25/03/2008	B. Sc.	B. Sc.	MSCIT	Preparation of required reagents Maintenance of equipments and instruments Maintain stock register, log book
Mr. Balasaheb Dashrath Gagare	Lab Technician	01/10/2010	B. Sc.	B. Sc.	-	Preparation of required reagents Maintenance of equipments and instruments Maintain stock register, log

						book
Mr. Bhumkar Shekhar Ashok	Lab Technician	22/01/2020	B. Sc.	B. Sc.	-	Preparation of required reagents Maintenance of equipments and instruments Maintain stock register, log book
Mr. Sonawane Vikas Chandrabhan	Lab Technician	01/02/2020	BCA	BCA	-	Preparation of required reagents Maintenance of equipments and instrumentsMaintain stock register, log book
Mr. Babasaheb Ashok Vairagar	Lab Attender	26/11/2011	HSC	HSC	-	Laboratory maintenance Issue glassware's and chemicals To maintain issue register
Mr. Mahesh Gorakh Chakranarayan	Lab Attender	25/08/2007	M A	M A	-	Laboratory maintenance Issue glassware's and chemicals To maintain issue register
Mr. Sanjay RamajiPawar	Lab Attender	16/02/2009	HSC	HSC	-	Laboratory maintenance Issue glassware's and chemicals To maintain issue register
Mr. Santosh Kashinath Chaudhari	Lab Attender	06/09/2011	SSC	SSC	-	Laboratory maintenance Issue glassware's and chemicals To maintain issue register
Mr. Ambadas Banshi Waghmode	Lab Attender	27/08/2009	B A B Ed	B A B Ed	-	Laboratory maintenance Issue glassware's and chemicals To maintain issue register
Mr. Vijay Keshvrao Gadakh	Lab Attender	01/02/2011	B. Com	B. Com	-	Laboratory maintenance Issue glassware's and chemicals To maintain issue register
Mr. Rajendra Gangadhar Dahatonde	Lab attender	06/04/2009	HSC	HSC	-	Laboratory maintenance Issue glassware's and chemicals To maintain issue register

Mr. Shankar Sambhaji Chaudhari	Lab Attender	06/09/2011	HSC	HSC	-	Laboratory maintenance Issue glassware's and chemicals To maintain issue register
Mr. Nitin Bapu Shete	Lab Attender	01/09/2014	HSC	B A	-	Computer Laboratory maintenance. To maintain log book
Mr. Ganesh Dyandev Falke	Lab Attender	09/01/2014	HSC	B. Com	-	Laboratory maintenance Issue glasswares and chemicals To maintain issue register
Mr. Babasaheb Rambhau Jare	Lab Attender	02/12/2007	HSC	HSC	-	Laboratory maintenance Issue glasswares and chemicals To maintain issue register
Mrs. Popat Saroj Raut	Lab Attender	06/01/2019	BA B Lib	BA B Lib	-	Assist to Librarian
Mr. Satish Macchindra Gaikwad	Library Attender	10/06/2010	M A	M A	-	Keep the library neat and clean
Mr. Vijay Devrao Jadhav	Office peon	26/06/2005	HSC	HSC	-	Office maintenance
Mr. K N Shinde	Office peon	01/06/2018	HSC	HSC	-	Office maintenance

In addition 05 members have been recruited by college on daily wages basis for general maintenance and cleanliness of the college premises.
Security of the premises is taken care by security department of Mula Education Society, Sonai.
As the college is situated within the campus of Mula Education Society, Civil, Electrical and Plumbing services are provided by 'Central Maintenance Department' of the Society.

6.6.1. Availability of adequate and qualified technical supporting staff for program specific laboratories (10) **Self-assessment Marks:10**

(Assessment based on the information provided in the preceding table)

Well qualified and adequate technical staff is available**.**

Table 6.6.1.1: Technical supporting staff

Sr. No.	Designation	Name of technical supporting staff	Qualification	No. of staff available
1	Office Superintendent	Mr. Madhav AnilChavan	M.A. B.Ed.	01
2	Accountant	Mr. PritamHaridasDarandale	B A B.Ed.	01
3	Junior Clerk	Mr. Sachin S.Potbhare	M Com	01
4	Junior Clerk	Mr. Rajeev VasantraoGadakh	M. A.	01
5	Librarian	Mr. Anil AshokShingare	M. Lib.	01
6	Computer LabIn charge	Mr. DadasahebKisanDarandale	M. A., CCP	01
7	Store In charge	Mr. GhodechorSandip	D.Pharm	01
8	Lab Technician	Mr. BalasahebDashrathGagare	BSc	01
9	Lab Technician	Mr. Bharat DevraoMhase	BSc	01
10	Lab Technician	Mr. BhumkarShekhar Ashok	BSc	01
11	Lab Technician	Mr. SonawaneVikasChandrabhan	BCA	01

6.6.2. Incentives, skill upgrade, and professional advancement (10) **Self-assessment Marks:10**
(Assessment based on the information provided in the preceding table)

The management has allocated the Rs.1,00,000/- for incentives, skill upgrade and professional advancement of all employees of the institute.

Incentives:

- Study leave is provided to the staffs, who are pursing higher studies,for appearing in examinations.
- TA & DA facility is provided to the staff for official work.
- On Duty Leave and Registration fees are provided for the staff to attend quality improvement programmes and workshops.
- Maternity leave is available for women staff.

Skill up gradation and professional advancement:

The non-teaching staff is encouraged to improve their skills and gain knowledge by encouraging them to attend various workshops and conferences and by providing them registration fees, TA and DA. The following table provides the details of staff attended various conferences and workshops to upgrade their skills (Table 6.6.2.1).

In-house training is also provided to lab technicians to upgrade their skills like use of computers in document preparation, preparation of reagents, handling &maintenance of equipment and handling of animals in animal house in respective departments.

Table 6.6.2.1: List of training and workshops attended by supportingstaff

Sr. No.	Faculty	Date	Title	Impact
1	Mr. Gagare B D Mr.Chakranarayan M G Mr. Dahatonde R G Mr. Gadakh R V Mr. Pawar S R Mr. Chavan M A Mr. Jadhav V D Mr. Shete N B Mr. Vairagar B A Mr. Chaudhari S S Mr. Falke G D Mr. Mhase B D Mr. Waghmode A B Mr. Jadhav V D Mr. Gaikwad S M	17/07/2019	Demonstration on Electrical Safety	Enhancement in Safety precautions skills to be taken during the handling of electrical appliances.
2	Mr. Gagare B D Mr. Chakranarayan M G Mr. Dahatonde R G Mr. Gadakh R V Mr. Pawar S R Mr. Chavan M A Mr. Jadhav V D Mr. Shete N B Mr. Vairagar B A Mr. Chaudhari S S Mr. Falke G D Mr. Mhase B D Mr. Waghmode A B Mr. Gaikwad S M	09/09/2019	Demonstration on Gas Safety	Demonstration leads to enhancement of following skills: • Care to be taken before the use of gas • Precautions to be taken during handling of gas during the regular practicals.
3	Mr. Mhase B D Mr. Chavan M A Mr. Gagare B D Mr. Shingare A A	20/08/2018 to 21/08/2018	Faculty Development Programme	Confidence, body language is improved.
4	Mr. Dhale S A Mr. Gagare B D	28/07/2018	Demonstration and training on Laboratory reagents	Up gradation of skills like Accuracy, knowledge, safety

	Mr. Waghmode A B Mr. Gadakh R V Mr. Falke G D Mr. Chaudhari S K Mr. Shete N B Mr. Pawar S R Mr. Chakranarayan M G Mr. Jare B R		preparations and safety precaution while reagent handling	during reagent handling.
5	Mr. Pandit B M	24/07/2018	Training workshop on Educational eligibility Online process	Online process on educational eligibility is implemented.
6	Mr. Gagare B D Mr. Chakranarayan M G Mr. Dahatonde R G Mr. Gadakh R V Mr. Pawar S R Mr. Chavan M A Mr. Jadhav V D Mr. Shete N B Mr. Vairagar B A Mr. Chaudhari S S Mr. Falke G D Mr. Mhase B D Mr. Waghmode A B Mr. Ayanar P Y Mr. Jadhav V D Mr. Gaikwad S M	04/04/2018 to 06/04/2018	Workshop on “Handling of computer and internet awareness”	Computer proficiency is increased. Enhanced the Computer knowledge (MS-word, excel, PowerPoint).
7	Mr. Mhase B D	15/02/2018	Workshop on Accounting system	ERP based accounting system is implemented.
8	Mr. Gagare B D Mr. Waghmode A B Mr. Gadakh R V Mr. Falke G D Mr. Chaudhari S K Mr. Shete N B Mr. Pawar S R Mr. Chakranarayan M G Mr. Jare B R Mr. Jadhav V D	22/07/2017	Workshop on “basic lab safety and handling of Laboratory accidents”.	Upgradation of skills like Accuracy, knowledge, safety during laboratory accidents.
9	Mr. Gagare B D Mr. Waghmode A B Mr. Gadakh R V Mr. Falke G D Mr. Chaudhari S K Mr. Shete N B Mr. Pawar S R Mr. Chakranarayan M G	13/08/2016	Workshop on “fire Hazards and Laboratory safety”.	Fire Extinguisher handling skill is improved.

	Mr. Jare B R Mr. Jadhav V D			
10	Mr.Anil Shingare	11/07/2016	Demonstration on Library ERP software	Library ERP software is implemented and maintained.
11	Accountant	11/07/2016	Workshop on account training	Accounting system is implemented.
12	Mr. Mhase B D	18/03/2016	Workshop on Office Empowerment	Office Empowerment is implemented.
13	Mr. Mhase B D	24/02/2014	Workshop on Examination system	Examination system is implemented.
14	Mr. Mhase B D	20/07/2009 to 25/07/2009	Computer training programme	Enhancement of Computer operating skills.
15	Mr. Mhase B D Mr. Chavan M A Mr. Gagare B D Mr. Shingare A A	05/03/2021 To 08/03/2021	Training on Online meeting platform and its use	Use of Modern computer tools

CRITERION 6
Facilities & TechnicalSupport

Self-Assessment Worksheet

Sr. No	Sub Criteria	Max. Marks/ Weightage	Self-assessment Marks	Marks Awarded
6.1	Availability of adequate, well-equipped classroom to meet the curriculum requirements	20	20	
6.2	Faculty rooms	10	10	
6.3	Laboratories including preparation room (wherever applicable), instrument/machine room and computer labs along with equipment and relevant facilities	60	60	
6.4	Drug Museum	05	05	
6.5	Medicinal Plant Garden	05	05	
6.6	Non-Teaching Support	20	-	
6.6.1	Availability of adequate and qualified technical supporting staff for program specific laboratories	10	10	
6.6.2	Incentives, skill upgrade, and professional advancement	10	10	
Total		**120**	**120**	

CRITERION 7
Continuous Improvement

CRITERION 7	Continuous Improvement	75

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

Self-assessment Marks: 15

Items	LYG 2019-20	LYG*m*1 2018-19	LYG*m2* *2017-18*
Success index (from4.2.1)	0.69	0.66	0.60

SI= (Number of students who graduated from the program without backlog)/(Number of students admitted in the first year of that batch and admitted in 2nd year via lateral entry)

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

7.2. Improvement in Placement and Higher Studies (15)

Self-assessment Marks: 15

Assessment is based on improvement in:

- *Placement: number, quality placement, core industry, pay packagesetc.*
- *Higher studies: performance in GPAT etc., and admissions in premierinstitutions*

The college Training and Placement Cell is taking persistent efforts in the continuous improvement of the placement. This is reflected by increase in number of pharmaceutical industries conducting campus placement. Along with the number of companies contacted, the Placement Cell is also striving to have quality placement by inviting and coordinating with multinational industries such as Macleods, Shreya, Ajanta, Encore, etc. and leading Indian pharmaceutical companies such as Glenmark, Alkem, Cipla and TCS in off campus. Also considerable improvement is seen in the average pay packages offered to the students over past few years. The Placement Cell also facilitates pooled campus placement drives for other colleges in Maharashtra.

College organizes guest lecturers for understanding the importance of various postgraduate courses such as M. Pharm, M.B.A., M. S. etc. Every year nearly 50% of final year students. appear for GPAT entrance examination. Many of our students are admitted in premier institutes such as NIPER, Govt. college of Pharmacy, Karad, NDMVPS College of Pharmacy Nashik,Bharti Vidyapeeth Pune, PES Modern College of Pharmacy, Nigadi etc.

Items	LYG 2019-20	LYG*m1* 2018-19	LYG*m2* *2017-18*
Total no. of students	63	64	65
Placement (from4.7)	14	33	40
Higher Studies	26	23	06
GPAT	05	03	03
Placement index	0.63	0.88	0.71

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

Self-assessment Marks: 6.41

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

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

Academic Performance Index	CAYm1 2019-20	CAY*m2* 2018-19	CAY*m3* 2017-18
Mean of CGPA or Percentage of all successful the students (X)	6.65	6.69	6.27
Total No. of successful students (Y)	61	64	59
Total No. of students appeared in the examination (Z)	63	64	65
API	6.86	6.69	5.69
Average API	**6.41**		

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

Self assessment Marks: 15

B. Pharm is a four year degree course. This course is designed to give knowledge and experimental skill regarding all aspect of drug. This course comprises of various subjects to give the knowledge and practical skills regarding the synthesis/extraction of drugs, formulation of drugs into various dosage forms like tablets, capsules, injections etc. analysis of drugs and dosage forms, testing of drugs and dosage forms on animals / human volunteer and the legal requirements for manufacture and sale of drug and dosage forms by a company and discovery of new drugs and dosage form.

ADMISSION PROCEDURE I-FIRST YEAR B. PHARMACY

A) Intake - 60

Course	Duration	Sanctioned seats
B. Pharm	4 Years	60

Through CAP: 80% Seats of Intake (48 Seats) Institute Level: 20% Seats of Intake (12 Seats)

B) Eligibility conditions and requirement for admission (Academic Year 2019-20)

1. Student should have passed HSC or its equivalent examination with Physics and Chemistry as compulsory subjects along with either Mathematics or Biotechnology or Biology and obtained at least 45% marks (at least 40% marks in case of candidates of backward class categories and person with Disability belonging only to Maharashtra State) in the above subjects taken together, and

2. Should have obtained score in MHT-CET / other examining body as revised from time to time.

Other Rules & Regulation are as per Information Brochure for Admission to Under Graduate Technical Courses of State CET Cell, Government of Maharashtra DTE. (www.dte.org.in)

C) Fees: As per fee prescribed by fee regulating authority i.eShikshan Shulka Samiti www.sssamiti.org

II-LATERAL ENTRY (Direct admission to S.Y B. Pharm) 10% of intake – 6 Seats

Students should have passed D. Pharm with 50% Open category and 45% for other category.

Item		CAY 2020-21	CAYm1 2019-20	CAY*m2* 2018-19	CAY*m3* 2017-18
National Level Entrance Examination (NEET)	**No. of Students admitted**	07	06	02	-
	Opening Score/Rank	74.33	69.57	170	-
	Closing Score/Rank	49.33	2.37	163	-
State/University/Level Entrance Examination/Others (MHT-CET)	**No. of Students admitted**	58	56	57	59
	Opening Score/Rank	95.58	97.31	97	102
	Closing Score/Rank	0.78	1.65	45	44
Name of the Entrance Examination for Lateral Entry or lateral entry details	**No. of Students admitted**	12	09	07	10
	Opening Score/Rank	96.90	83.60	84.20	83.20
	Closing Score/Rank	82.80	70.00	53.70	60.00
Average CBSE/Any other Board Result of admitted students (Physics, Chemistry &Maths)		61.04	59.19	65.91	60.76

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

Self assessment Marks: 20

Identify the areas of weaknesses in the program based on the analysis of evaluation of POs attainment levels. Measures identified and implemented to improve POs attainment levels for the assessment years. Actions to be writtenas per table in 3.3.2.

Examples of analysis and proposed action

Sample 1-Course outcomes for a laboratory course in Pharmaceutical analysis did not measure up, as some of the laboratory instruments are not calibrated, standardized and not optimally used, as there was no laboratory work involving the use of HPLC and UV-visible spectrophotometer. Action taken-The practical work in Pharmaceutical analysis has been upgraded by inclusion of analytical experiments involving the use of HPLC and UV-visible spectrophotometer with the help of SOPs generated. Sample 2-In a course on Pharmaceutics theory, student performance has been consistently low with respect to some COs as analysis of answer scripts and discussions with the students revealed that this could be attributed to a weaker course and its delivery on GMP, GLP and Drug Regulatory Affairs. Action taken-The theory course in Pharmaceutics and its delivery has been strengthened by including specific topics on quality control and quality assurance taught by experts drawn from Industry, Academia and Drug Regulatory Authorities. Sample 3-In a course of Bio-pharmaceutics theory and practical's, the students' performance has been low with respect to attainment of some COs as it was revealed that theory and practical component in physical pharmacy is weak and contributed to poor basic concepts and their applications in higher classes. Action taken- Extra classes were arranged for the students on the emphasis of the basic concepts in physico-chemical properties like PKA, Partition Coefficient, Biopharmaceutical Classification System(BCS) and other terms.

The action taken on the results of evaluation of each POs are written as per the Table 3.3.2.

The target level for each batch was set and based on the results obtained for each batch , the action taken for improvement of POs are shown below.

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

POs	Target Level	Attainment Level	Observations
PO1: Pharmacy Knowledge: Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioural, social, and administrative pharmacy sciences; and manufacturing practices.			
PO1	2.50	2.46	High
Action1: Students were motivated to participate in National Pharmacy Week and related professional activities every year. **Action 2**: Students were motivated to celebrate Pharmacist Day on 25thSeptember every year. **Action4:** A guest lecture on, 'Pharmacological Research Scenario' by Dr. Nitin Nema SVKM's Institute of Pharmacy, Pune on 13th Feb. 2020. Course code 111T: In a course on, 'Pharmaceutics I Theory, student performance has been consistently low with respect to some COs as analysis of answer scripts and discussions with the students revealed that this could be attributed to a weaker course. **Action1:** The theory course in Pharmaceutics I and its delivery has been strengthened by including specific topics on tablets and types of dosage form by taking extra lecture.			
PO2: Planning Abilities: Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.			
PO2	2.00	1.90	Moderate
In all courses, it was found that student's performance was moderate with respect to attainment of some COs. It was attributed due to theoretical subjects not involving planning. **Action 1:** For the course having practical component, students were provided awareness in advance about the experiment and were asked to plan the experiment with detail procedure and apparatus required, reagents list etc. Action 2: students were motivated to participate in arrangement of events like teachers day celebration, Pharmacist day celebration etc..			
PO3: Problem analysis: Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.			
PO3	2.00	2.00	Moderate
Course code 231T: In the course, 'Physical Pharmaceutics-I', students were unable to understand numerical calculation. On interaction with students it was found that student gets confused between RHLB and reaction kinetics. Action 1: Demonstration was given on different numerical problems in Physical Pharmaceutics like order of reaction, surface tension etc. **Course code 232P**: In the course, 'Pharmaceutical Microbiology and Immunology' students had difficulty in inoculation, culture and growth of microorganism. **Action 1:** Students were provided knowledge about preparation of culture media having different compositions, inoculation and incubation. This has helped in solving the problem as well as in developing critical thinking in students.			

PO4: Modern tool usage: Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.			
PO4	2.00	2.01	Moderate
Course code 473T: In the course, 'Medicinal Chemistry III' students' performance was moderate in attainment of COs. It was attributed to problem of students in usage of QSAR online software's. **Action 1:** A demonstration was given to students about online QSAR software's like AUTODOCK by Prof. A.V. Ghule. **Course code 123T:** Students performance was consistently low due to weaker course. **Action 1:** A demonstration on instruments available in Pharmaceutical Chemistry Laboratory was given to all students **Other action 1:** A demonstration was taken to all students about online examination system and different online teaching learning platform like Google classroom, Google forms, Google meet, Zoom etc. **Other action 2:** students were encouraged to participate in virtual online conference based on practical demonstration of various instruments.			
PO5: Leadership skills: Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for fulfilment of practice, professional and societal responsibilities. Assume participatory roles as responsible citizens or leadership roles when appropriate to facilitate improvement in health and well-being.			
PO5	1.50	1.61	Moderate
Action 1: As English is the only basic language of communication in pharmaceutical sciences, and as it is essential for facing interviews, a guest lecture was organized on 'Interview Techniques and Communication Skills' by Mrs. Rajeshri Kekan QA Manager Shefa Healthcare Pvt. Ltd. Mumbai on 16th July 2021 to final year students **Action 2:** Students were encouraged to participate in online poster presentation competitions, sport activities, to develop leadership, team-building and communication skills. **Course code 122T:** In the course, 'Modern Dispensing Practices' the attainment of PO5 was low , it was attributed due to weaker course. **Action 1:** An supplementary lecture was conducted on interpersonal skills by Mr. A.S. Darandale.			
PO6: Professional Identity: Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees).			
PO6	2.00	1.99	High
Course code 123T: Students performance was moderate in PO6 due to weaker course and students are new to course.. **Action 1:** A lecture on green chemistry was conducted by Dr. P.B. Mohite.			
PO7: Pharmaceutical Ethics: Honour personal values and apply ethical principles in professional and social contexts. Demonstrate behaviour that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical frameworks; apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions.			
PO7	1.50	1.62	Moderate

Course code 231T: In the course, 'Physical Pharmaceutics (TH)' the attainment of PO7 was low due to moderate contribution of some COs.

Action 1: Students were made aware about ICH guidelines for stability studies in the form of a supplementary lecture.

Action 2: A guest lecture by Mr. Anil Bhojvani Manager Medical Writing and Medical information Kinapse Ltd, Gurgaon was organized on topic,' Overviews on Clinical Research and Job opportunities' on 15th March 2020.

Other actions:

Action 1: Students were encouraged to take 'Pharmacy Oath' during Induction Program and Fresher's Party.

PO8: Communication: Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions.

PO8	1.50	1.62	Moderate

Action 1: Students were encouraged to participate in Elocution competitions and to lead in college extracurricular activities like annual social gathering.

Action 2: Students were promoted to deliver seminars through PowerPoint presentation and participate in group discussions for effective communication.

Action 3: Conduct of viva voce during the regular practical helps students in developing effective communication skills.

Action 4: Guest lecture by Adv. Dr. Bothe B.J., Executive Editor, Sakal News, Ahmednagar Young Inspiration Network (YIN Discussion) was organized on importance of communication and leadership on 16th August 2019.

Course code 116T: In the course, 'Communication and soft skill development course', students were unable to communicate effectively.

Action 1: Students were taught to write official letters, soliciting required scientific information and group discussion.

PO9: The Pharmacist and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety and legal issues and the consequent responsibilities relevant to the professional pharmacy practice.

PO9	1.50	1.60	Moderate

Action1: Students have distributed Mask and sanitizer on 26th and 27th May 2020 to the people near their hometown during *COVID-19* pandemic period,so as to enable them tomaintain and take care of their healthduring their journey.

Action2 : A cleaning activity was by students at their home town organized on 9th August 2020, to raise public awareness about cleaning and hygine.

Action 3: Students have prepared posters about, 'Covid-19 awareness' and published on social media.

Action 4: NSS volunteers prepared a brief video about, 'vaccination awareness' and published on different social media platform like YouTube and facebook. https://fb.watch/9tozG68Or1/

Action 3: Various social activities related to awareness and importance of hemoglobin, blood sugar level in health as well as safety of medicines were conducted through NSS activity

Action4: In course on 'Pharmaceutical Jurisprudence', during regular session the professional roles of pharmacist were discussed and students were made aware of the role of pharmacist in societal issues.

PO10:Environment and sustainability: Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO10	1.50	1.67	Moderate

Action 1: While teaching subject Pharmaceutical Microbiology students were made aware about proper and safe disposal of microorganisms by reautoclaving.

Action 2: While teaching the subject Pathophysiology and Clinical Biochemistry students were made aware about disposal of diagnostic wastes as per procedure of Institutional Biosafety Committee.

Action 3: While teaching the subject Pharmacology I (TH) students were made aware about effective and lethal doses of drug and their implications.

Action 4: While teaching the subject Pharmacology V (TH) students were made aware about roles and responsibilities of pharmacists in clinical trials and Novel Drug Delivery system.

Action 5: The following professional pharmacy waste management practices are being used in safe guarding societal and environmental issues :

- Awareness and practicing minimization of waste, reuse and recycle of solvents
- Autoclaving and microwaving of microbiological waste
- Safe deep burial of hazardous waste
- Awareness Incineration of solid hazardous waste during day to day work.

All these practices have helped in demonstrating and understanding the ways to handle professional pharmacy solutions in ethical and sustainable way.

PO11: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self-access and use feedback effectively from others to identify learning needs and to satisfy these needs on an ongoing basis.

PO11	2.50	2.56	High

Action 1: Every year Seminars, guest lectures, webinar series and related activities are being regularly organised from industry and academic experts to provide latest information to the students regarding the advancements in the field of Pharmaceutical Sciences.

Action 2: Students were allotted review /research projects to kindle interest in constant up-gradation of knowledge.

POs Attainment Levels and Actions for improvement – CAYm1 (2019-20)

POs	Target Level	Attainment Level	Observations
PO1: Pharmacy Knowledge: Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioural, social, and administrative pharmacy sciences; and manufacturing practices.			
PO1	2.50	2.48	High
Action 1: A guest lecture was arranged on the topic "Drug Regulatory Affairs" on 22nd Feb .2020 of Mr. Amol Bhos, Manager Alkem Ltd, Mumbai on topic 'Drug Regulatory Affairs'. **Action 2:** A guest lecture was arranged on the topic "Drug Regulatory Affairs" on 16th Aug 20 17 of Mr. Prasad Gadakh Team Leader, DRA Mylan Lab, Bangalore 'Drug regulatory affairs in pharma industry '. **Action 3:** A guest lecture was arranged on topic, 'Effective and safe medicine for all' by Dr. V.S. More Asst. Professor Amrutvahini College of Pharmacy, Sangamner on 25th sept. 2020.			
PO2: Planning Abilities: Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.			
PO2	2.00	1.88	Moderate
In all courses, it was found that student's performance was moderate with respect to attainment of some COs. It was attributed due to theoretical subjects not involving planning **Action 1:** For the course having practical component, students were provided awareness in advance about the experiment and were asked to plan the experiment with detail procedure and apparatus required, reagents list etc. **Action 2:**For practical based courses, students were briefed about the experiment and were asked to plan the experiment in advance with required procedure, apparatus and chemicals. **Action 3:** Final Year students enthusiastically managed the Ganesh Festival and Annual social gathering- *Pharmula-2020*. Students have planned these events meticulously exhibiting their skills in time and resource management.			
PO3: Problem analysis: Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.			
PO3	2.00	1.96	Moderate
Action1: In the course, 'Communication Skills' student was taught to make defensible decisions/ justifiable arguments in group discussions. **Action 2:** In the course, 'Pharmaceutical Organic Chemistry-I(TH)' practice was provided to students regarding rules of IUPAC nomenclature. This activity has enabled the students to solve the problems related with nomenclature of organic compounds. **Action 3:** Yoga session was conducted on 21st June 2018, 21st June 2019 for students and teachers to make them aware of the importance of Yoga in health and stress management in online mode due to pandemic condition.			

PO4: Modern tool usage: Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.

PO4	2.00	2.00	Moderate

Action 1: Three days Certificate course in 'Handling of Analytical Equipment'was organized from 5th Aug. 2019 to 7th Aug. 2019 in which experts from college and nearby colleges delivered lectures on working principles and applications and provided hands on training to the students and staff in handling modern analytical instruments.

Action 2: A guest lecture by Mr. Pravin Deotarse Clinical Project Manager, Cipla Ltd Mumbai was organized on 8th May 2020, to the students, on the topic 'Good Clinical Practice in Clinical Research'.

Action 3: In the course,'Pharmaceutical Organic Chemistry II' students were provided demonstration of Chemistry structure drawing softwares like 'Chemsketch and Chemdraw'.

Action 4: Organized 'Educational visit to Central Instrumentation Facility at SPPU, Pune', on 20th Sept. 2019 for final year students to understand the different analytical techniques and their working.

Action 5: In the course, 'Medicinal Chemistry III Practical' attainment of PO4 was moderate, as practical does not include any equipment usage. It was achieved by conduct of practical on FT-IR spectrophotometer for characterization of synthetic compounds.

PO5: Leadership skills: Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for fulfilment of practice, professional and societal responsibilities. Assume participatory roles as responsible citizens or leadership roles when appropriate to facilitate improvement in health and well-being.

PO5	1.50	1.65	Moderate

Action1: Freshers' party was organized by S.Y. B. Pharm students, in which they exhibited their team building spirit and leadership skills.

Action 2: Students were encouraged to participate in poster presentation competitions, sport activities and Annual social gathering *Pharmula-2020* to develop leadership qualities in students.

PO6 : Professional Identity: Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees).

PO6	2.00	2.02	High

Action1:A guest lecture was arranged on 'IntellectualProperty Rights'by Mr. Mahendra Gunjal Manager-Global IP, Zydus Group Ahmedabad, Gujrat, on 11th May 2020. It has contributed in understanding the role of Pharmacist in copyright and patent development.

Course code 234T: In the course of , ' Pharmaceutical Organic Chemistry-III' attainment of PO6 was moderate, it was attributed due to low contribution of some COs. While discussing with students it was observed that, it is due to difficulty in remembering the reactions in the course.

Action 1: A guest lecture was arranged on topic, 'GPAT Preparation - 2020' by Dr. Rajendra Patil Associate Professor, JSPM college of pharmacy, Tathwade, Pune on 3rd Aug. 2019

PO7: Pharmaceutical Ethics: Honour personal values and apply ethical principles in professional

and social contexts. Demonstrate behaviour that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical frameworks; apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions.			
PO7	1.50	1.67	Moderate
Action 1: Students were provided comprehensive knowledge about ICH guidelines for stability studies and c GMP guidelines of USFDA in the form of a supplementary lecture. **Action 2:** In the course,'Pharmaceutical Jurispridence', oral presentations were provided to students on major topics of Pharmacology which has contributed to understanding and importance of professional ethics. **Action 3:** A guest lecture was arranged on, 'USFDA Guidelines' by Mr. Umakant Banait, Dy. Mgr. Q.A. Mylan Lab, Ltd. was organized on 7th March 2020 **Action 4:** Students were made aware of 'Pharmaceutical Ethics and Principles' through the course, 'Pharmaceutical Jurisprudence'. **Course code 472T:** In the course of 'Medicinal Chemistry III Theory' the attainment PO7 was moderate , it was attributed due to low attainment in some COs. While discussion with students, it was observed that, it may be multiple questions on same CO. **Action 1:** Students were instructed to attempt all the COs in the question paper and its importance in PO attainment during regular lecture. **Other actions:** **Action 1:** Students were encouraged to take 'Pharmacy Oath'during Induction Program and Fresher's Party.			
PO8: Communication: Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions.			
PO8	1.50	1.54	Moderate
Action 1: Students were promoted to deliver seminars through PowerPoint presentations and to participate in group discussions for effective communication. **Action2:** Conduct of viva voce, during the regular practical, helped the students in developing effective communication skills. **Action 3:** Students were encouraged to participate in poster presentations and discussions in state and national level seminars and conferences organized by the college and outside. **Action 4:** A guest Lecture by Mr. Girish P. Kukreja, Professor and HOD Dept Microbiology. New Arts and Commerce College Ahmednagar' was organized on 'Personality Development and Stress Management' on 23rd Jan. 2020			
PO9: The Pharmacist and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety and legal issues and the consequent responsibilities relevant to the professional pharmacy practice.			
PO9	1.50	1.64	Moderate
Action 1:A social activity related to awareness and importance of health were conducted in the form of Dental checkup, Yoga Day, Tree plantation, Swachh Bharat Abhiyan through NSS camp on 1st Jan. 2019 to 7th Jan. 2019 at Morya Chinchore and Blood Donation Campaign during Ganpati Festival 2018. These events have demonstrated the importance of Pharmacist in healthcare system.			

PO10: Environment and sustainability: Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			
PO10	1.50	1.71	Moderate
Action 1: As a part of extracurricular activities, the college is actively engaging the students in Swachh Bharat Abhiyan, Plastic free campus and making awareness about biomedical waste. **Action 2:** The following professional pharmacy waste management practices are being used in safe guarding societal and environmental issues : • Awareness and practicing minimization of waste, reuse and recycle of solvents • Autoclaving and microwaving of microbiological waste • Safe deep burial of hazardous waste • Awareness Incineration of solid hazardous waste during day to day work. All these practices have helped in demonstrating and understanding the ways to handle professional pharmacy solutions in ethical and sustainable way.			
PO11: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self-access and use feedback effectively from others to identify learning needs and to satisfy these needs on an ongoing basis.			
PO11	2.50	2.60	High
Action 1: Every year Seminars, guest lectures and related activities are being regularly organised to provide latest information to the students regarding the advancements in the field of Pharmaceutical Sciences. **Action 2:** Organized Pharma industrial visit to Adora Pharma Ltd., Aurangabad, on 7th March 2020, for final year students to understand how the principles of drug development and manufacturing processes, learnt in theory, is put in to practice at industrial level. **Action 3:** Organized 'Educational visit to Central Instrumentation Facility at SPPU, Pune', on 20th Sept. 2019 for final year students to understand for final year students to know the different analytical techniques and their working.			

POs Attainment Levels and Actions for improvement – CAYm1 (2018-19)

POs	Target Level	Attainment Level	Observations
PO1: Pharmacy Knowledge: Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioural, social, and administrative pharmacy sciences; and manufacturing practices.			
PO1	2.50	2.46	High
Action1: A guest lecture was arranged on the topic Herbal drugs and Phytopharmaceuticals-Method development current perspectives by Dr. Aboli Girme Manager, Pharmanza Herbal Pvt. Ltd, Gujrat on 17th July 2018 **Action2:**Studentswere motivated to participate in National Pharmacy week at college level. **Action3:** Participation in Pharmacist day celebration.			

PO2:Planning Abilities: Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.			
PO2	2.00	1.96	Moderate
In all courses, it was found that student's performance was moderate due with respect to attainment of some COs. It was attributed due to theoretical subjects not involving planning **Action 1:** For the course having practical component, students were provided awareness in advance about the experiment and were asked to plan the experiment with detail procedure and apparatus required, reagents list etc. **Action 2:** Before conduct of experiments planed procedure, apparatus list were verified by the staff in charge and corrective measures were implemented. **Action 3:** Students were involved in organization of co-curricular and extracurricular activities resulted into development of planning abilities.			
PO3: Problem analysis: Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.			
PO3	2.00	2.03	High
Course code 112T: In the course of Modern Dispensing practices, the student performance has been low with respect to attainment of some COs. During the discussion with students it was found that, students facing the difficulty in Pharmaceutical Calculation in University examination as well as due to first attempt in University examination of First year students**.** **Action1**: Students were given with emphasis on problem skills in regular classes. Also various problems are being solved in practical's mode to enhance their confidence. **Course code 126T**: In the course of Pharmaceutical Analysis -I, the student performance has been low with respect to attainment of some COs. During the discussion with students it was revealed that, students facing the difficulty in Pharmaceutical Calculation in theory and practicals**.** **Action 1:**Extra emphasis will be given in solving the practical problems based on the data in regular theory and practical classes. **Action 2:** Problem based questions were introduced in the internal assessment examinations of Pharmaceutical analysis course. **Action 3:** Online GPAT test series by Dr. Anwar Shaikhwas organized at institute level.			
PO4: Modern tool usage: Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.			
PO4	2.00	2.07	High
Modern tool usage is studied in Pharmaceutical Analysis, Medicinal chemistry, Pharmacology and Pharmaceutics. The cumulative actions are taken to attain all the Cos. **Action 1:** Software and computing tools such as Chemsketch, Chemdraw, X-Pharm etc. were provided to the students to learn the latest techniques and applications in pharmacy. **Action 2:** Online GPAT test series was conducted. **Action 3:** Students were encouraged to use computing tools in referring e-journals. **Action 4:** Three days certificate course in Handling of Analytical equipments was conducted on date 5th to 7th August 2019. Students were made aware of use of modern analytical equipments like UV, HPLC, FTIR, and Microwave Assisted Synthesis etc.			

Action 5: Inthe course of Pharmaceutical Organic Chemistry II (TH), students were made familiar with making models of compounds using ball and stick model.

Course code 111P: In the course of Pharmaceutics I, the student performance has been low with respect to attainment of some COs. During the discussion with students it was found that, the syllabus did not mention any use of modern instruments in practicals.

Action 1: The instruments available in Pharmaceutics department were demonstrated to the students.

PO5: Leadership skills: Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for fulfilment of practice, professional and societal responsibilities. Assume participatory roles as responsible citizens or leadership roles when appropriate to facilitate improvement in health and well-being.

PO5	2.00	1.75	Moderate

In Pharmacy syllabus, specific attention is not given to COs which contributes for the leadership development. But it is essential for students for further development.

Action1: Entrepreneurship awareness and soft skill development not included in syllabus. But it was essential to develop leadership quality in students. Entrepreneurship awareness guest lecture by Dr. Sharad Gadakh was organized in Annual Social Gathering on 18th February 2019.

Action 2: In curriculum no specific course being framed for leadership skill. However special focus was provided to Pharmaceutical jurisprudence, Pharmaceutical marketing & Business management and communication skills.

Action 3: Students are encouraged to participate in poster presentation competitions, sports activities, Annual social gathering to develop leadership skills by handling various responsibilities such as general secretary.

Action 4: Students are encouraged to participate in intercollegiate Elocution completion on28th Sept. 2019 at ACS College, Sonai.

Action 5 : A workshop on 'Personality Development and Career Success' was organized by the college on 20th and 21st August 2018 to Third and final Year B. Pharm students in which Dr. Jagannathrao, a Parapsychologist from Bangalore has delivered a series of lectures.

PO6 :Professional Identity: Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees).

PO6	2.00	2.08	High

Action 1: The institute has been organizing Hospital visits every year.

Action 2: An Industrial Visit to Adora Pharmaceutical Ltd, Aurangabad was arranged on 16th March 2019.

Action 3: The institute has distributed First aid boxes,to the people living in slum areaof Yashwantnagar,as a promoter of health care on Dated / / .

Action 4: Students are motivated to take industrial and wholesale training.

PO7: Pharmaceutical Ethics: Honour personal values and apply ethical principles in professional and social contexts. Demonstrate behaviour that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical frameworks; apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions.

PO7	2.00	1.60	Moderate

Course code 233T:In the course, on 'Biochemistry-I' theory, student performance has been low with respect to attainment of some Cos. Analysis of answers revealed that, it is due to the variability in cultural and personal values as well as communication and lifestyle of students.

Action1: Assignmentswere allocated to students on major topics of 'Biochemistry-I 'which have contributed to understand the importance of professional ethics.

Course code 477T: In the course, 'Pharmaceutical Jurisprudence' theory, student performance was moderate with respect to attainment of some COs.Analysis of answer sheets and discussions held with students revealed that, theory component in the subject is incomprehensive due the legal language used and students find it difficult to recollectsome of the concepts and their applications, hence it is reflected in PO attainment.

Action 1: Homeassignmentswereallocatedto students on major topics of 'Pharmaceutical Jurisprudence'.

Action 2: Topics like'Importance of application of ethical principles in professional context' were revised twice to the students in the classroom.

Action 3: Students were advised to use dictionary to understand the legal languageof 'PharmaceuticalEthics and Principles'.

Course code 476T: In the course,'bio pharmaceuticsand Pharmacokinetics', the attained value for PO7 was lower than that of mapped values. Analysis of the answer sheets and discussions held with students revealed that ,they did not get enough practice to apply knowledge gained during course study.

Action 1: More practice wasprovided to the students by giving them small assignments wherein they were asked to make use of the theoretical knowledge and comeup with practical solutions for the problems.

Course code 242T: In the course, 'Pathophysiology and Clinical Biochemistry', the attainment value for PO7 was lower than the target that was mapped. Analysis of the answer sheetsand perceptions received from the students,revealed that the students did not understand the concepts of ethics properly.

Action 1: While teaching the subject 'Pathophysiology and Clinical Biochemistry' students were providedunderstanding about ethical principles of human experimentation.

Action 2: Students were made aware of CPCSEA guidelines.This was provided in Pharmacology courses.

Other actions:

Action 1: Students were encouraged to take 'Pharmacy Oath'during Induction Program and Fresher's Party.

PO8: Communication: Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions.

PO8	1.50	1.53	Moderate

Course code 113T:In the course, 'Pharmaceutical Organic Chemistry–II', the PO8 was mapped to low level. The students were unable write and express themselves about some complex chemical structures and reactions.

Action1: Students were asked to rewrite structures and reaction mechanisms as well as to have discussion with co-learners.

Action 2: Effective communication skillswereprovided to students by asking them to deliver seminars on topics provided andinvolvingthem in group discussions.

Course code 233T: In the course, 'Pharmaceutical Biochemistry', the PO8 was mapped to low level, as the level of difficulty is high for understanding. Students find it a bit difficult to express.

Action1: Students were made talkative and interactive by explaining and discussing the concepts during Viva voce in practical hours. They were also encouraged and motivated for self-learning.

Other actions:

Action 1: Students were encouraged to participate in poster and oral presentations.

Action 2: Personality and soft skill development programswereorganizedto improve communication skills.

Action 3: Students were encouraged to participate in debate and elocution competitions.

PO9 :The Pharmacist and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety and legal issues and the consequent responsibilities relevant to the professional pharmacy practice.

PO9	1.50	1.57	Moderate

Action 1: As program curriculum islargely confinedto Pharmacy, students were exposed to hospitals and industries by way of training programs.

Action 2: Various social activities related to awareness and importance of hemoglobin, blood sugar level and dental checkup in health as well as safety of medicines were conducted through NSS activity.

Action 3: Importance ofhealth hygiene and legal aspects of medicines wereexplained to students during practical sessions.

Action 4: Group activities were initiated to develop skills, access contextual knowledge and to understand the consequential responsibilities relevant to the professional pharmacy practice.

PO10:Environment and sustainability: Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO10	1.50	1.80	Moderate

Action 1: As a part of extracurricular activities, the college is actively engaging the students in Swachh Bharat Abhiyan, plastic free campus and making awareness about biomedical waste.

Action 2: The College is situated in the lush green campus of Mula Education Society andsurroundedby trees and shrubs. This helps in realizing and inculcating in the young minds of students about, how trees can help in protecting the environment from scorching sun, getting more precipitation, keeping the surroundings cool& humid,reducing the levels of carbon dioxide and providing oxygenated airto the people.

Action 3: Students are encouraged to plant more trees every year, through tree plantation programs.

Action 4: Afield visit was arranged at Dhanvantari Medicinal Plant garden and Volatile oil processing Unit at Mahatma Phule Krishi Vidyapeeth, Rahuri on 26thMarch 2018. In this visit students were taught aboutcommercial cultivation of medicinal plants, natural products and herbal formulations Vs. synthetic formulations. This has helped students to understand the concepts in Natural Product Chemistry, learnt in theory.

Action 5: While teaching the subject Pathophysiology and Clinical Biochemistry (TH)students were made aware about WHO and ICMR guidelines related to disposal of diagnostic wastes.

Action 6: The following professional pharmacy waste management practices are being used in safe guarding societal and environmental issues :

- Awareness and practicing minimization of waste, reuse and recycle of solvents
- Autoclaving and microwaving of microbiological waste

<table>
<tr><td colspan="4">

Safe deep burial of hazardous waste
Awareness Incineration of solid hazardous waste during day to day work.

All these practices have helped in demonstrating and understanding the ways to handle professional pharmacy solutions in ethical and sustainable way.
</td></tr>
<tr><td colspan="4">PO11:Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self-assess and use feedback effectively from others to identify learning needs and to satisfy these needs on an ongoing basis.</td></tr>
<tr><td>PO11</td><td>2.50</td><td>2.68</td><td>High</td></tr>
<tr><td colspan="4">Action 1: Every year Seminars, guest lectures and related activities are being regularlyorganised to provide latest information to thestudents regarding the advancements in the field of Pharmaceutical Sciences.
Action 2: Students were allotted research projects to kindle interest in constant up-gradation of knowledge.
Action 3:OrganizedPharma industrial visits every year for final year students to understand how the principles of drug development and manufacturing processes, learnt in theory, is put in to practice at industrial level.</td></tr>
</table>

Criterion 7: Continuous improvement (75)

Self-Assessment Worksheet

Sr. No	Sub Criteria	Max. Marks/ Weightage	Self-assessment Marks	Marks Awarded
7.1.	Improvement in Success Index of Students without the backlog	15	15	
7.2.	Improvement in Placement and Higher Studies	15	15	
7.3.	Improvement in the API of the Final Year Students	10	6.41	
7.4	Improvement in the quality of students admitted to the program	15	15.00	
7.5	Actions taken based on the results of evaluation of each of the POs	20	20.00	
	Total	75	71.41	

CRITERION 8
Student Support system

CRITERION 8	Student Support System	50

8.1. Mentoring system to help at individual levels (5) Self-assessment Marks: 05

Mentoring system: The institute has developed well-defined mentor mentee scheme and is effectively implemented. The principal and academic in charge regulate the mentor mentee activities.

Mentor mentee scheme starts right from the beginning of first year of Pharmacy. Each faculty member (Mentor) is allotted with 20 to 24 students (mentees) (Table 8.1.2).The mentor- mentee association is continued till completion of the course (for four years). The mentees can contact their mentor as per their convenience on issues related with their personal problems. Student counseling is conducted periodically and it is effectively carried out through mentoring system. Mentor-mentee meetings are conducted every fortnight to address major grievances,general counselingand motivate students.In addition, aclass teacher, appointed for each class, will be responsible for all the activities of that class.

Objectives of Mentoring Program:

- To interact with students about their needs, problems and difficulties on issues mentioned below for addressing them effectively.
- To mentor the students on issues like participation in various technical, co-curricular and extra-curricular events essential fortheir all-round development.
- To monitor the overall performance of students and provide requiredguidance to advanceas well as slow learners.

Following issues are considered for discussion with the mentees:

- Personal information
- Family background and if required interaction with parents
- Attendance in the classes and practical.
- Result records
- Ragging if any
- Fees and scholarship
- Confidence level and personality
- Participation in co-curricular and extra-curricular activities
- Personal and social problems
- Difficulty in academic subjects
- Higher education / placement/ entrepreneurship development.

Records are maintained for individual mentee in the prescribed formats. The meetings of mentee are conducted every fortnight by the mentor. All menteescan interact with their respective mentors and Principal at any time either personally or telephonically.

Efficacy and effectiveness of mentoring System:

- The mentor mentee system has enabled us to develop interaction and relationship among the teachers, students and parents.
- The system has proved to be an effective platform for developing healthy, positive and stress freestate of mind in students.
- The system has helped in improving academic performance of the students.
- It also helped the students in performing better in competitive exam like GPAT examination, opting for higher education and getting better placement (Table 8.1.1).
- The system has resulted inactive participation of students in co-curricular and extracurricular activities.
- The system has also helped in identifying the advanced and slow learners and render required counseling to the students (Fig. 8.1.1 & 8.1.2).

Table 8.1.1: Impact of mentoring System:

Particular	Academic Year				
	2020-21	2019-20	2018-19	2017-18	2016-17
GPAT Examination	06	05	03	03	06
Higher Education	-	26	23	06	22
Placement	11	14	33	40	29
Improvement in CGPA of advanced learners	03	03	03	03	03
Improvement in CGPA of slow learners	03	05	05	05	05

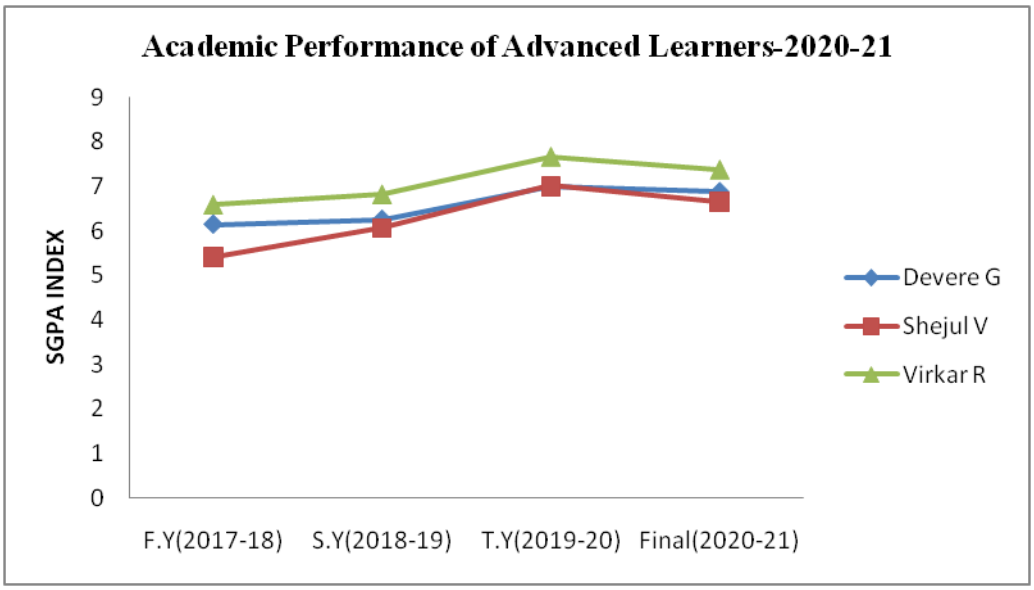


Fig. 8.1.1: Academic performance of advanced learners

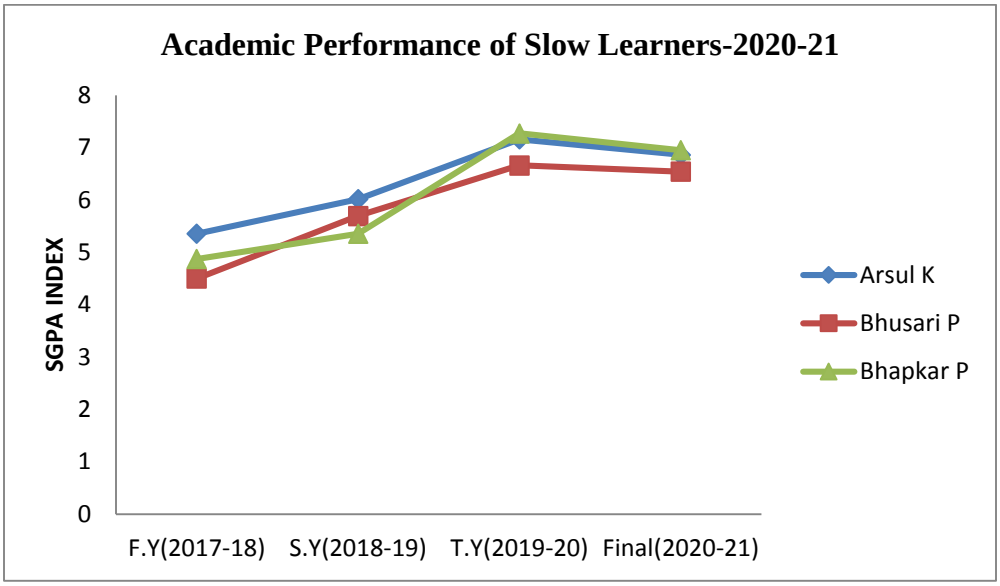


Fig. 8.1.2: Academic performance of slow learners

Table 8.1.2. Mentor- Mentee Information

ACADEMIC YEAR 2020-21

Roll. No	Class Teacher	Name of Faculty	Contact No.	E-mail Address
Class: F.Y.B.Pharm				
1-22	Prof.Gade S.T.	Prof. Firodiya S.R.	9890146699	swapnilfirodiya48@gmail.com
23-44		Prof Katarnavare A.B.	9850045951	ambadasbk2911@gmail.com
45-65		Prof.Sonawane M .D.	8308302274	mailtomanubhosale@gmail.com
Class: S Y.B.Pharm				
1-20	Prof.Katarnavare A.B.	Prof. Bairagi S M	9604593644	ssanandss@yahoo.com
21-41		Prof. Jadhav V.S	9561294591	Varsha_2131@rediffmail.com
42-62		Prof. Aher A. A	9890609283	abhijeet.aher9@gmail.com
63-74		Prof. Mohite P.B	9890520854	mohitepb@gmail.com
Class: T.Y.B.Pharm				
1-20	Prof. Aher A. A	Prof. Ghule A.V.	9921848151	amolghule425@gmail.com
21-40		Prof. Wagh J.G	9823330878	jjyothi2007@gmail.com

41-60		Prof.Pandhare R.B.	9881969052	ramdaspandhare@gmail.com
61 -73		Prof.Ghawate V.B.	9960205257	vilasghawate@rediffmail.com
Class: Final Year B.Pharm				
1-20	Prof. Ghule A.V.	Prof. Agale K.B.	9881704020	agalekrushna@gmail.com
21-40		Prof.Gade S.T.	8600814645	gadesonali0808@gmail.com
41-60		Prof.Bankar M .S.	9763531265	madhuribankar00@gmail.com
61-72		Prof.Pawar A R	8459079129	anilpharma123@gmail.com

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

Self assessment Marks: 10

Feedback collected for all courses:

Specify the feedback collection process. Percentage of students who participated: Specify the feedback analysis process: Basis of reward /corrective measures, if any: Number of corrective actions taken in last three years:

(The institution needs to design an effective feedback questionnaire. It needs to justify that the feedback mechanism developed by the institution really helps to evaluate teaching, and finally contributes to the quality of teaching and ensure attainment of set levels of each POs)

Feedback collected for all courses: Yes

- Feedback about the teaching staff and facilities provided are collected at the end of each semester for all courses. The feedback is collected from the students at the end of every semester for all courses through well-defined feedback form provided by the educationSociety. The feedback system enables us to analyze the teaching ability and skillsof the teachers.

Feedback collection Process:

- Feedback about the facultyis collected manually. Student, who hasat least 70% attendance,is eligible to take part in the feedback process.
- Feedback is collected only when more than 60% of such regular students of respective class are present. Feedback is collectedat the end of each semester,in presence of either Principal or Vice-Principal.
- Feedback form consists of 14 questions andspecified guidelines.
- The feedback is analyzed and a report is generated for every faculty member for the course/courses allotted to him/her.
- Report of feedback analysis is informed individually to each faculty member.

Feedback analysis process:

- The feedback analysis is done manually.
- The feedback about the teaching learning process is collected manually from the students at the end of each semester.
- Students are asked to evaluate individual faculty for respective courses separately on fourteen parameters and 0 to 3 point scale rating i.e. Excellent (3 points), Good (2 points), Satisfactory (1 points), and poor (0 points).
- Calculation of Teacher and Class indices is done by the academic in charge.
- The Average index of class is calculated from individual faculty index of respective class.
- Principal initiates necessary action to improve the feedback by discussing individually with the faculty members to maintain secrecy and dignity of a teacher.
- A letter of appreciation isawarded to faculty having highest teacher index above the class index.
- The faculty members having teacher index, less than 5, thanthat ofclass index, are counseled by the Principal of the institution, for improvement. Such faculty is required to submit corrective action plan to be followed for futureimprovement.

Basis of reward/ corrective measures: (Table 8.2.1)

Basis of reward:

- A letter of appreciation is awarded to faculty having highest teacher index above the class index
- The faculty members whose index in close proximity to the class index are appreciated and motivated by the Principal.

Corrective measures:

- Faculty members who get below the criteria defined are counseled by the Principal and also asked to get the guidance from the senior faculty for improvement.
- Notice regarding the improvement in performance is given to the faculty having lessscore (class index minus five).
- The corrective action on feedback process and its implementation resulted into improvement in attainment of COs andPOs.

Table 8.2.1: Reward/ corrective action taken in previous three years:

Academic Year (Semester)	Class	Letters of Appreciation	Counseled	Notice/Memo
2020-21 (Odd)	F.Y.B.Pharm	4	1	-
	S.Y.B.Pharm	4	-	-
	T.Y.B.Pharm	4	1	-
	Final Yr.B.Pharm	6	1	-
2020-21 (Even)	F.Y.B.Pharm	6	1	-
	S.Y.B.Pharm	3	2	-
	T.Y.B.Pharm	4	2	-
	Final Yr.B.Pharm	6	1	-
2019-20 (Odd)	F.Y.B.Pharm	3	2	-
	S.Y.B.Pharm	2	2	-
	T.Y.B.Pharm	4	3	-
	Final Yr.B.Pharm	4	2	1
2019-20 (Even)	F.Y.B.Pharm	3	3	-
	S.Y.B.Pharm	3	2	-
	T.Y.B.Pharm	4	2	-
	Final Yr.B.pharm	4	3	-
2018-19(Odd)	F.Y.B.Pharm	3	2	-
	S.Y.B.Pharm	4	1	1
	T.Y.B.Pharm	4	1	2
	Final Yr.B.pharm	5	2	-
2018-19(Even)	F.Y.B.Pharm	4	1	1
	S.Y.B.Pharm	4	-	2
	T.Y.B.Pharm	4	2	1
	Final Yr.B.Pharm	5	1	1
2017-18(Odd)	F.Y.B.Pharm	4	2	-
	S.Y.B. Pharm	3	3	-
	T.Y.B.Pharm	5	1	1
	Final Yr.B.Pharm	5	2	-
2017-18(Even)	F.Y.B.Pharm	3	3	-
	S.Y.B.Pharm	4	2	-
	T.Y.B.Pharm	5	2	-
	Final Yr.B.Pharm	5	2	-

8.3. Feedback on facilities (5)

Self assessment Marks: 05

(Assessment is based on feedback collection, analysis and corrective action taken in respect of library, computing facilities, canteen, sports, etc)

The institute collects feedback on all facilities like *library, computing facilities, canteen, sports, etc* provided by the college to students, Parents and alumni at the end of every academic year. Students are asked to submit feedback form before the final examination.

The data is collected, processed and analyzed. After analyzing the feedback the corrective actions are taken and concerned in charge is instructed to rectify the deficiencies (Table 8.3.1).

Students are having freedom to give verbal feedback directly to the Principal on teaching-leaning, facilities and any other matter of concern.

Table 8.3.1: Feedback on facilities and corrective action taken

Year	Requirement	Corrective action taken
2020-21	• Provide the online e books from library	• All the faculties were instructed to provide e books in pdf form of all subjects
2019-20	• Provide the online demo for online internal examination	• Online exam demo was taken using GOOGLE form for internal examination
2018-19	• Extension of college Library timings	• College Library timings were extended as per the need of students. • For girl students, librarybooks for all classes has been issued to hostel under the supervision of senior students. • For boys,night library facility is provided.
	• Extra book facility for GPAT Students.	• Extra books are issued to the students.
	• Better internet and Computing facilities	• Internet speed is upgraded to 40 mbps.
	• Access to computing and associated facilities.	• Working hours for the computer laboratory is extended.
	• Participation in intercollegiate competitions.	• Concerned in charge is directed to take all necessary steps to improve participation of students in cultural activities and sports.
	• Provide Swimming pool facility	• The swimming pool facility is available to all the students in campus and notified to students.
2017-18	• Provide facility of indoor stadium for practice session.	• The facility for indoor games is available to all students in campus.It is notified to students.
	• Participation in intercollegiate	• Concerned in charge is directed to take all

	indoor games competition.	necessary steps to improve participation of students in indoor sports. • Student participated in Judo competition and stood second place.
2016-17	• Provide RO water drinking facility.	• RO water drinking facility provided to the students in each floors.

8.4. Self-Learning (5)

Self-assessment Marks: 05

The college provides various self-learning facilities to acquire latest/ advance knowledge about current scenario of pharmaceutical education, research and technology.

- **Online study material:**
  - Study material is provided online through website, college YouTube channel and Google classroom platforms.
- **Library Facilities:**
  - College library is enriched with sufficient number of titles and volumes related with pharmaceutical education, research and technology. Research journals are available for students during college working hours. In addition, students are suggested to refer books and journals to complete their assignments.
  - Every year new/latest reference books, official compendia, book series and text books on technical subjects, along with previous question papers are added to the library. This has immensely benefited the students and facilitated their self-learning.
  - Various technical and scientific journals, DELNET e-journals are subscribed and made available to the students in the college library and in digital library, to facilitate research activity, develop the habit of self-learning and learning beyond syllabus.
  - Previous year's project reports and theses are made available for referencing in the college library.
  - Reprographic facilitiesare provided in the library.
  - The library also has collection of few non technical books like autobiographies, novels, and dramasfor catering to the needs of students and staff for their all-round personality development.

Computer laboratory:

- Computer laboratory is equipped with 30 computers, provided with 40 mbps internet facility for online searching, literature surveyand to access the online study material of various topics.
- To facilitate self-learning of communication skills computer laboratory is provided with language learning software (Biyani Technologies Ltd.).

Participation of students in seminars, conferences and workshops:

- Students are encouraged and motivated to attend state and national level seminars/ conferencesand poster presentation competitionsconducted in & outside the college (Table 8.4.1). Students are provided with TA, DA to attend these events.

Table 8.4.1: List of Seminars and workshops organized

Sr. No	Name of Conference	Date	Level	Sponsored by	Name of Resource Persons	Venue	No. of students benefited
2018-19							
1	Recent Innovations in Pharmaceutical Sciences	15/02/2019 to 16/02/2019	National	SPPU, Pune	Dr.N.S.Chitlange Dr.M.N.Saraf Dr.R.B.Laware Mr.SandipKokare Mr.AmolKhetre Dr.S.N.Nirmal Dr.S.G.Khange Dr.SacchidanandAngadi.	MES's College Of Pharmacy, Sonai.	170
2017-18							
2	Intellectual Property Rights: New Age Challenges	16/02/ 2018 to 17/02/2018	National	SPPU,Pune	Dr.RavindraKamble Mr.SagarSaste Mr.RajeshThorve Dr.ShankarLaware Mr.AmitBedi Dr.KundanIngale	MES's College Of Pharmacy, Sonai.	125
2016-17							
3	Expanding Boundaries in Pharmaceutical Research.	03/02/2017 to 04/02/2017	National	SPPU,Pune.	Dr.SanjayToshniwal Dr.Sangashetti J.N. Dr.M.G.Kalaskar Dr.AshokP.Giri Dr.PrashantPatankar Mrs.AboliGirme Dr.VishalPande Dr.SacchidanandAngadi	MES's College Of Pharmacy, Sonai	150

Arrangement of Guest Lectures:

- In order to facilitate self-learning and learning beyond the syllabus, the college has been providing guidanceto students inpreparation ofcompetitive examinations like GPAT and CMAT by arranging guest lectures.
- The college has been arranging guest lecturers of renowned academicians and experts from Pharmaceutical industries to provide latest knowledge and impart competitive skills to students (Table 8.4.2).
- The college has been offering add on certificate courses and conductingdemonstration experiments, throughout the year, to enable the students to learn beyond the syllabus (Table 8.4.3 & Table 8.4.4).

Table 8.4.2: List of guest lecture organized

Sr No.	Name of Resource Person	Topic	Date	No. of Students benefited
Academic Year 2020-21				
1	Mrs. RajeshriKekan QA Manager Shefa Healthcare Pvt. Ltd. Mumbai	Career opportunity in QA and How to face an Interview	16/07/2021	**100**
2	Mrs. PreetiKasar Patent Association NOVO IP, Pune.	Career opportunity in Regulatory affairs.	14/7/2021	**100**
3	Mr. BhalchandraHabade Director, HRW Organics Pvt. LtdNashik	Business Opportunity in Pharmaceutical Sector	13/7/2021	**100**
Academic Year 2019-20				
1	Mr. SandipJadhav Amrut Pharmaceuticals Solapur	Entrepreneurship Development	19/08/2019	65
2	Dr. RajendraPatil Associate Professor, JSPM college of pharmacy, Tathwade, Pune.	GPAT Preparation - 2020	03/08/2019	98
3	Adv. Dr. Bothe B.J. Executive Editor, Sakal News, Ahmednagar	Young Inspiration Network (YIN Discussion)	16/08/2019	53
4	Mr. GirishP.Kukreja Professor and HOD Dept micro. New arts and commerce college Ahmednagar.	Personality development and stress management.	23/1/2020	68

5	Dr. V.S. More Asst. Professor Amrutvahini college of pharmacy, Sangamner.	Effective and safe medicine for all.	25/9/2019	95
6	Dr. NitinNema SVKM's Institute of Pharmacy, Pune.	Pharmacological Research Scenario	13/02/2020	63
7	Mr. AmolBhos Manager Alkem Ltd. Mumbai	Drug Regulatory Affairs	22/02/2020	64
8	Mr. MangeshChitriveker Manager Cipla, Mumbai	Current challenges in Regulatory Department	22/2/2020	64
9	Mr. RajendraPagadal Indoco Remedies.	cGMP Guidelines of USFDA	22/02/2020	64
10	UmakantBanait Dy. Mgr. Q.A. Mylone Lab, Ltd.	USFDA Guidelines	07/03/2020	65
11	Dr. Sunil Pande Dy. Mgr. F & D Bharat Serum Pvt. Ltd	Liposomes	07/05/2020	98
12	Dr. ManojJograna ShankarraoUrsal College of Pharmacy, Pune.	Stress Management	08/05/2020	97
13	Mr. PravinDeotarse Clinical Project Manafer Cipla Ltd Mumbai	Good Clinical Practice in Clinical Research	08/05/2020	95
14	Mr. RohitBadhe Manager-Production Wockhardt Ltd, Aurangabad	Pharma Manufacturing Process (OSD)	10/05/2020	92
15	Mr. MahendraGunjal Manager-Global IP, Zydus Group Ahmedabad, Gujrat.	Intellectual Property Right (IPR)	11/05/2020	94
16	Mr. Anil Bhojvani Manager Medical Writing and Medical Information Kinapse Ltd, Gurgaon	Overviews on Clinical Research and Job opportunities	15/05/2020	95
17	Mr. Anil Bhojvani Manager Medical Writing and Medical Information Kinapse Ltd, Gurgaon	Overviews on Clinical Research and Job opportunities	15/05/2020	95
Academic Year 2018-19				
1	Dr. MachindraBochare Director,	Competitive exam like GPAT/NIPER preparation	04/07/2018	66

	Academy of Niper Aspirants(ANA) Nashik.	target 2019		
2	Mrs. AboliGirme Manager, Pharmanza Herbal Pvt. Ltd. Gujrat	Herbal Drugs and Phytopharmaceuticals-method development current prospective	17/07/2018	130
3	Prof. Pratap B. Pawar MET Institute of Pharmacy, Bhujbal Knowledge City, Nashik	GPAT-examination preparation-2019	26/07/2018	66
4	Dr. Santosh S. Bhujbal Professor, Dr. D.Y.Patil Institute of pharmaceutical sciences and Research,Pune	CO-PO Mapping in NBA accreditation	23/10/2018	15
5	Dr. SachidanandAngadi, Principal, Yash Institute of Pharmacy, Aurangabad.	Pharmacist Expert of medicines.	25/09/2018	210
Academic Year 2017-18				
1	Mr. TarachandJaisighpure Subtle and beyond organization, Ahmednagar	Your abilities are unique honor them	08/01/2018	65
2	Dr. R.P.Marathe Professor Govt college of pharmacy, Aurangabad	Structural Interpretation	12/11/2017	132
3	Mr. Prasad Gadakh Team Leader, DRA Mylan Lab, Bangalore	Drug regulatory affairs in pharma industry	26/08/2017	67
4	Dr. VandanaPatil Professor, Yah Institute of pharmacy, Aurangabad	Analytical method development and validation as per ICH Guideline	23/09/2017	132
5	Dr. Anwar Sheikh Prof., Allana college of pharmacy, Pune	GPAT preparation and how to solve online GPAT question paper	24/09/2017	67
6	Prof. Sayyed B.N.	Application of computer	16/12/2017	65
Academic Year 2016-17				
1	Mr. SagarSaste Sr. Scientist, Encube ethical, Mumbai.	Application of statics in pharmacy research	25/02/2017	126
2	Mr. Rajesh Thorawe Sr. scientist Perrfo lab India Pvt.	Current trends in formulation	11/02/2017	66

	Ltd, Thane.	development		
3	Dr. Anwar Shaikh Prof., Allana college of pharmacy, Pune	GPAT 2017	25/01/2017	66
4	Dr. AdinathShirsath Research scientist, F&D Sunpharma Ltd, Vadodara	Parenteral drug development and detail inside	17/08/2016	134
5	Dr. V.K. Mourya Principal, Govt. college of pharmacy, Aurangabad	NMR Spectroscopy	07/01/2017	66

Table 8.4.3: List of companies/ industries / Universities visited with number of students

Sr.no	Academic Year	Name of industry	Date	No. of students benefited
1	2019-20	Central Instrumentation facility at SPPU,Pune	20/09/2019	70 students and 3 Faculty members
2	2019-20	Adora Products Pvt.Ltd,Aurangabad	07/03/2020	68 students and 4 Faculty members
3	2019-20	Fermentation Plant at Mula Sugar Factory ,Sonai	31/01/2020	73 students and 2 Faculty members
4	2019-20	Shanaishwar Hospital, Shinganapur	29/01/2020	62 students and 2 Faculty members
5	2018-19	Adora Products Pvt.Ltd,Aurangabad	16/03/2019	63 students and 4 Faculty members.
6	2017-18	Fermentation Plant at Mula Sugar Factory ,Sonai	02/03/2018	65 students and 5 Faculty members
7	2017-18	Dhanawatari Medicinal garden & Volatile extraction unit at Mahatma PhuleKrishiVidyapeeth, Rahuri	26/03/2018	65 students and 2 Faculty members
8	2017-18	Adora Products Pvt.Ltd, Aurangabad.	26/03/2018	50 students and 3 Faculty members.
9	2016-17	Fermentation plant at Mula Sugar Factory ,Sonai	10/03/2017	66 students and 3 Faculty members
10	2016-17	LupinPharma.Ltd, Aurangabad	11/03/ 2017	54 students and 3 faculty members.

Table 8.4.4: List of certificate courses

Sr. No	Academic Year	Title/Name Of Course	Conducted by Department	Date	No. of Students benefited
1	2019-20	Three days certificate course in Handling of Analytical Equipments	Pharmaceutical Chemistry	05/08/2019 to 07/08/2019	48
2	2019-20	Handling of IPQC Apparatus	Pharmaceutics	11/09/2019 to	55

				13/09/2019	
3	2018-19	Two days certificate course in Handling of Analytical Equipments	Pharmaceutical Chemistry	13/12/2018 to 14/12/2018	53
4	2017-18	Cultivation, Collection and Processing of Herbal Drugs	Pharmacognosy	26/03/2018 to 31/03/2018	65
5	2017-18	Care and handling of laboratory animals & experimental techniques	Pharmacology	17/10/2017 to 22/10/2017	38
6	2017-18	Four days certificate course in Handling of Analytical Equipments	Pharmaceutical Chemistry	12/12/2017 to 15/12/2017	52
7	2017-18	Handling of IPQC Apparatus	Pharmaceutics	06/06/2017 to 10/06/2017	50
8	2016-17	Care and handling of laboratory animals & experimental techniques	Pharmacology	22/10/2016 to 27/10/ 2016	41
9	2016-17	Five days certificate course in Handling of Analytical Equipments	Pharmaceutical Chemistry	09/11/2016 to 13/11/2016	55
10	2016-17	Handling of IPQC Apparatus	Pharmaceutics	14/06/2016 to 18/06/2016	51

8.5. Career Guidance, Training, Placement (10) — Self assessment Marks: 10

Facility and management:

- The college has a well-established 'Training and Placement Cell' which undertake career guidance, training and placement activities.
- The training and placement cell consists of Principal of the college as a Chairman, Co-ordinator and 4 to 5 members (Table 8.5.2).
- The T & P Cell organises lectures of experienced academicians and industry professionals for providing guidance &counselling to students in areas of higher studies, campus placement and industry interaction (Table 8.5.3 & Table 8.5.4).
- Through these activities, the students are providedawareness aboutthe opportunities available in various fields along with job profile. At the same time, they get a chance to interact with the industry professionals and take advantage of their experience.
- Pre-requisites to face interviews such as preparing an effective resume and presentation skills are provided to students through these lectures. The students are also counselled for taking up higher studies.

- T & P cell also take initiatives for active participation of studentsinpool campus drives organized by other near by colleges such as Aurangabad, Ahmednagar,Sangamner and Pravaranagar etc.
- Our faculty is continuously in contact withindustry persons regarding possible openings. Students are informed about the same and sent for interview by T & P cell.
- T & P cell also takes initiative and interact with industries/wholesale agencies/ Hospital to facilitate In-plant /Wholesale/ Hospital training to third and final year students as per the guidelines of SPPU, Pune (2015/2018 pattern)

Table 8.5.1 : Composition of Training and Placement Cell

Sr.No	Name of Member	Designation
1	Dr.V.K.Deshmukh	Chairman
2	Dr.V.B.Ghawate	Member
3	Mr.S.M.Bairagi	Member
4	Mr.A.A.Aher	Member
5	Mr. O.N. Darandale	Member
6	Miss. P.S. Dahatonde	Member
7	Mr. A.V.Ghule	Coordinator

- The following infrastructural facilities are available in the Training and Placement cell.
  - ✓ Exam hall to conduct online/offline test
  - ✓ Seminar hall with LCD projector facility.
  - ✓ Control room for interview
  - ✓ Group discussion hall.
  - ✓ Computer centre with LAN and internet facility (speed 40 mbps)

Effectiveness:

- The measures taken by T & P Cellhave proven to be effective as evidenced from the fact that the number of reputed Pharmaceutical companies visiting the campus have increased over past three years (Table 8.5.2).
- Due to the strong support of T & P Cell, there is an increase in number of students going for in plant training, gettingplacementsand entrepreneurship. There is also an increase in the number of students opting for higher education (Table 8.5.1).

Table 8.5.1: Impact of effectiveness of T& P facilities:

Particular	Academic Year				
	2020-21	2019-20	2018-19	2017-18	2016-17
GPAT Qualifier	6	5	03	03	06
Higher Education	-	26	23	06	22
Placement	11	14	33	40	29
Industrial training	39	42	37	-	-

Table 8.5.2: List of industries for Campus placement

Sr. No	Name of Company	Year	Date	Address
1	Encore Healthcare Pvt.Ltd, Paithan, Aurangabad.	2020-21	20/08/2021	D-5,MIDC,Industrial area,Paithan,Aurangabad,Maharashtra.
2	Ajanta Pharmaceutical Ltd,Aurangabad,	2019-20	October 2020	D-5,MIDC,Industrial area,Paithan,Aurangabad,Maharashtra.
3	Encore Healthcare Pvt.Ltd, Paithan, Aurangabad.	2018-19	20/06/2019 & 21/06/2019	D-5,MIDC,Industrial area,Paithan,Aurangabad,Maharashtra.
4	Encore Healthcare Pvt, Ltd.Paithan, Aurangabad.	2017-18	29/05/2018	D-5,MIDC,Industrial area,Paithan,Aurangabad,Maharashtra
5	Ajanta Pharmaceutical Ltd,Aurangabad,	2017-18	18/04/2018	D-5,MIDC,Industrial area,Paithan,Aurangabad,Maharashtra.
6	Ajanta Pharmaceutical Ltd, Aurangabad.	2016-17	19/05/2017	Plot.no-3/4/5/6,MIDC,Industrial area, Paithan, Aurabgabad, Maharashtra.
7	Macleod's Pharmaceutical Ltd, Mumbai.	2015-16	14/04/2016	A Wing, Everest Grande, Mahakali Caves Road, Andheri East, Mumbai - 400093 (Next to Shanti Nagar Bus Stop).

Table 8.5.3: List of guest lecture by Industry experts

Sr No.	Name of Resource Person	Topic	Date
Academic Year 2020-21			
1	Mrs. Rajeshri Kekan QA Manager Shefa Healthcare Pvt. Ltd. Mumbai	Career opportunity in QA and How to face an Interview	16/07/2021
2	Mrs. Preeti Kasar Patent Association NOVO IP, Pune.	Career opportunity in Regulatory affairs.	14/7/2021
3	Mr. BhalchandraHabade Director, HRW Organics Pvt. LtdNashik	Business Opportunity in Pharmaceutical Sector	13/7/2021
Academic Year 2019-20			
1	Mr. AmolBhos Manager Alkem Ltd. ,Mumbai	Drug Regulatory Affairs	22/02/2020
2	Mr. MangeshChitriveker Manager Cipla, Mumbai	Current challenges in Regulatory Dept.	22/2/2020
3	Mr. RajendraPagadal Indoco Remedies.	cGMP Guidelines of USFDA	22/02/2020
4	Mr. UmakantBanait Dy. Mgr. Q.A. Mylone Lab, Ltd.	USFDA Guidelines	07/03/2020
5	Dr. Sunil Pande Dy. Mgr. F & D Bharat Serum Pvt. Ltd	Liposomes	07/05/2020
6	Dr. ManojJograna ShankarraoUrsal College of Pharmacy, Pune.	Stress Management	08/05/2020
7	Mr. PravinDeotarse Clinical Project Manafer Cipla Ltd Mumbai	Good Clinical Practice in Clinical Research	08/05/2020
8	Mr. RohitBadhe Manager-Production Wockhardt Ltd, Aurangabad	Pharma Manufacturing Process (OSD)	10/05/2020
9	Mr. MahendraGunjal Manager-Global IP, Zydus Group Ahmedabad, Gujrat.	Intellectual Property Right (IPR)	11/05/2020
10	Mr. Anil Bhojvani Manager Medical Writing and Medical Information	Overviews on Clinical Research and Job opportunities	15/05/2020

	Kinapse Ltd, Gurgaon		
Academic Year 2018-19			
1	Mrs. AboliGirme Manager, Pharmanza Herbal pvt. Ltd. Gujrat	Herbal Drugs and Phytopharmaceuticals-method development current prospective	17/07/2018
Academic Year 2017-18			
1	Mr. Prasad Gadakh Team Leader, DRA Mylan Lab, Bangalore	Drug regulatory affairs in pharma industry	26/08/ 2017
2	Prof Sayyed B.N.	Application of computer	16/12/2017

Table 8.5.4: GPAT crackers list

Sr. No	Name of Student	GPAT Score	All India Rank
Academic Year 2020– 21			
1	Mr.Sayyed Sohel	175	2391
2	Miss.Bodhake Asmita	163	3469
3	Mr.Nikam Dnayeshwar	162	3469
4	Mr.Rankhamb Suresh	162	3469
5	Miss.Dahifale Aakansha	159	3797
6	Mr.Darandale Omkar	156	4104
Academic Year 2019 – 20			
1	Mr. Ganjure Mahesh	162	1917
2	Mr. Kale Chakradhar	135	4521
3	Miss. Borude Sadhana	115	8036
4	Miss. Netane Sampada	111	8964
5	Miss. Sahare Snehal	89	16288
Academic Year 2018 – 19			
1	Mr.Amate Prakash	215	116
2	Mr.Ohal Devrao	146	1560
3	Miss.Bawake Sonali	132	2676
Academic Year 2017 – 18			
1	Mr.Amate Prakash	151	1855
2	Mr.Sake Pravin	141	2499
3	Miss.Bourde Shamal	123	3511
Academic Year 2016 – 17			
1	Mr.Pawa rDipak Dilip	119	1892
2	Mr.Divate Vithal Ramnath	117	2032
3	Mr.Wakde Shubham Sunil	114	2309
4	Mr.Kamble Akshay Simon	86	6386
5	Mr.Gund Amol	113	2398
6	Miss-Pise. Payal	116	2116

8.6. Entrepreneurship Cell (5) Self assessment Marks: 05

FACILITY: The Entrepreneurship development is alsolooked after by the Training &Placement cell. Faculty members act as Liaison officer between the graduating students and successful entrepreneurs to helpstudents in matters related with starting up their own business venture. The activities are not just limited to the current students but even the alumni are encouraged to take benefit of the services offered by the cell. Recently the college has registered under MHRD's 'Institutional Innovation Cell' and established an 'Institutional Innovation Council' (IIC).

MANAGEMENT: The students are exposed to different seminars and workshops. They are also motivated to take part in the state level project competition festival- 'Avishkar'. Interactive sessions with successful alumni entrepreneurs as well as renowned business persons are organised time to time, to make the students an ideal business visionary (Table 8.6.1).

Table 8.6.1: List of Guest Lectures from Alumni /Entrepreneur:

Sr. No	Year	Date	Name of Speaker	Title
1	2020-21	13/07/2021	Mr. BhalchandraHabade, Director, HRW Organics Pvt Ltd, Nashik.	Business Opportunities In Pharmaceutical Sector
2	2019-20	01/03/2020	Mr. SacchidanandKhedkar, Director, Sterling Healthcare, Ambegaon, Pune	Loan License Pharma production and post marketing
3	2019-20	14/02/2019	Dr. PravinBadhe Director,Swalife Biotech Ltd,Pune.	Entrepreneurship and Awareness
4	2019-20	19/08/2019	Mr.SandipJadhav, AmrutP'ceutical, Retail and Wholesale Distributors, Solapur.	Development of Entrepreneurship in Retailer and wholesale business.
5	2018-19	18/02/2019	Dr. SharadGadakh • Director, Shradha Food Products, Sonai • Director, Mauli Milk Products, Bramhani • Director of Research, MPKV Rahuri	Business strategies for New Entrepreneur in Herbals.
6	2017-18	12/02/2018	Mr. AnandNagapurkar, Managing Director, Adora Products Pvt.Ltd, Aurangabad.	Entrepreneurship and Soft skill Development.
7	2016-17	13/02/2017	Mr. AtishSarkale,	Entrepreneurship

			Drug Inspector,Ahmednagar.	Opportunities for Pharmacist: New challenges.

Impact:

- The efforts of entrepreneurship cell are reflected in producing successful entrepreneurs as shown below in (Table 8.6.2 & 8.6.3). The college is proud to produce 5 very successfulentrepreneurs who have achieved turnover up to 3.5 Cr. and made their own mark (Table 8.6.2). In addition to this the college has so far produced 32 other entrepreneurs (Table 8.6.3).

Table 8.6.2: Success Stories of Best Alumni Entrepreneurs

Sr. No	Alumni Name (Entrepreneur)	Industry/Wholesale/ Retail shop	Place	Turnover (Per annum)
1	Mr.Shinde Ganesh	Bhumata Agro Products Pvt Ltd	Ghodegaon MIDC, Tal-Newasa	3-3.5 Cr
2	Mr. DeshmukhDevendra	FresyneousOctaPvt.Ltd, Mumbai.	FL-103, Vandanchs, plot-17, sec-4, kalamboli, Navi Mumbai, Mumbai. city,Maharashtra-410218	90 L -1Cr
3	Mr.BeradRameshwar	Shradha Medical and General Stores	A/P-Mandali, Solapur Road, Ahmednagar.	60-70 L
4	Mr. TiplaeMangesh	Trimurti Agencies	Shop No-1, 2, House No-2-10-1679, Opposite of Omkar Hospital, D.P.Road, Beed-431122.	50-55 L
5	Mr. DarkundePrashant	Meera Medical and General Stores.	Shop no-2, Plot no-1/6, Civil HUDCO, Savedi Road, PremdanChowk, Ahmednagar.	35-40 L

Table 8.6.3: Impact of Entrepreneur Cell Alumni with Wholesale/Retail background:

Sr. No	Alumni Name (Entrepreneur)	Industry/Wholesale/ Retail shop	Place
1	Mr. DeshmukhDevendra	FresyneousOctaPvt.Ltd, Mumbai.	FL-103, Vandanchs, plot-17, sec-4, kalamboli, Navi Mumbai, Mumbai. city,Maharashtra-410218
2	Mr. DarkundePrashant	Meera Medical and General Stores.	Shop no-2, Plot no-1/6, Civil HIDCO, Savedi Road, PremdanChowk, Ahmednagar.
3	Mr.GhumatkarHemantkumar	Sanjivini Medical and General Stores.	Shop no-1,plot no-54,Rabhaji Nagar,Kedgaon(Devi),Kedgaon, Ahmednagar-414005

4	Mr.AttalAtul	Janahit Medical Stores(Proprietary)	Shop No-1,Janahit Hospital, Plot No-2,Near Sagar sweets,Govind Nagar, Nashik-422009.
5	Mr.Jagtap Rahul	Rahul Medical and General Stores	Shop No-34, Twim hub Shopping Complex, Old Jalna, Jalna.
6	Mr.KolteJaydip	Sayli Medical Stores	Shop No-1, Shwas Hospital, NewasaPhata, Post-Mukinpur-414603.
7	Mr.MundePravin	New Jahavi Medical and General Stores	House No-1-07-921, Shop NO-1, Vidhyanagar (East), Barshi road, Beed-431122.
8	Mr.BeradRameshwar	Shradha Medical and General Stores	A/P-Mandali, Solapur Road, Ahmednagar.
9	Mr.ShaikhLatif	SangamN.X.Medical Stores	Shop-No-1, Near Z.P.School, Indira Nagar, Jawkhede, Khalsa-Ahmednagar.
10	Mr.More Vijay	Saishraddha Medical	Plot No-18, SECTOR-D-2, ShriSai Nursing Home, MahakaliChowk, Pavan Nagar, CIDCO, Nashik-422009.
11	Mr.SonawaneMangesh	Maulikrupa Medical and General Stores.	House No-1,Shop No-1,Nagar Naka,Nagar Road,Beed-431122.
12	Mr.MantriRitesh	Salasar Enterprises	OzaGalli, BelapurBk, Shrirampur, Ahmednagar-413715.
13	Mr. NaikAmol	Samarth Medical and General Stores	Shop No-1, Near Dr.Shete Hospital, Ganeshwadi Road, A/p-Sonai, Tal-Newasa, Ahmednagar.
14	Mr. Shete Rahul	Siddhivinayak Medical and General Stores	Shop No-1,Near Dr.SheteHospital,GaneshwadiRoad,A/p-Sonai, Tal-Newasa, Ahmednagar
15	Mr.DhamneVishwajeet	Dhamne Medical and General Stores	Shop No-3, Datta Complex, Near Bus Stand, New Peth, Rahuri, Ahmednagar-413705.
16	Mr. AgalePralhad	Vaishnavi Medical and General Stores	Shop No-1, Shevgaon Road, A/P-Dahigaon-Ne, Tal-Shevgaon, Ahmednagar-414502.
17	Mr. TiplaeMangesh	Trimurti Agencies	Shop No-1, 2, House No-2-10-1679, Opposite of Omkar Hospital, D.P.Road, Beed-431122.
18	Mr.MohiteBalasheb	Shri. Ganesh Medical and General Stores.	ShopNo-2, MohitePatil Complex, Nagar-Aurangabad Highway, A/P-Ghodegaon, Tal-Nevasa, Ahmednagar-414607.
19	Mr.ThangeSagar	Mumbadevi Medical Stores	Shop No-5, Near Omkar Multispecialty Hospital, Bhalawani Road, A/PTal-Parner, Ahmednagar-414302.
20	Mr.GahalAmol	Anushri Medical and	Shop No-02, Shivleela Complex, Near Bafna

		General Stores	Hospital, A/p-Kukana, Tal-Nevasa, Ahmednagar-414603.
21	Mr.AttalMayur	Vighanaharta Medical & Surgical	Room 1,Shop No-1,Vignaharta Hopsital,A/p-Narhe,Tal-Haveli,Pune-411041.
22	Mr.GadakhPramod	Swapananjali Medical and General Stores.	Near ShatabdiHospital,Rahuri-ShanishignapurRoad,A/P-Sonai,Tal-Newasa, Ahmednagar
23	Mr.DondSuyog	Shree Ganesh Medical Stores	A/P-Ghodegaon, Tal-Newasa, Dist-Ahmednagar.
24	Mr.UbaleAkshy	Shri ram Swasta Generic Medical Stores	Shop No-7,A/P,Tal-Ranjangao, Aurangabad Zone-2.
25	Mr.ShelarMukesh	DhanawantariSwasta Medical Stores.	Shop No=1, Plot No-10/1, SambhajiChowk, SaiVaibhavNagri, Vadgaon Kolhati-431136.
26	Mr.SejulSatish	Vignaharta Generic Medical Stores	Shop No-2, WardNo-11,A/P,Tal-Gangapur,Gangapur-431109.
27	Mr.MuleJyotiba	Morya Medical	Shop No-4, Dhore Complex, HarpaleWasti, Bhekrinagar, Phursungi, Tal-Haveli, Pune-413208.
28	Mr.Salve Ganesh	Ganraj Medical Stores	ShopNo-1,Near SpandanHospital,SwamiVivekananadchowk, Sonai,Tal-Newasa,Ahmednagar.
29	Mr.AdsureAvadhut	Samarth Medical Stores	Shop No-1,Main Peth,NearMahadev Mandir,Chanda,Tal-Nevasa,Ahmednagar-414606.
30	Miss.DongareShital	Om sai Medical &General Stores	HouseNo-1-4, 107, Shop No-1, Balepir, Nagar Road, Beed-431122.
31	Mr. KekareGorakh	Anant Medical	Shop No-2, Joshi Niwas, Pradikshina Road, AlandiDewachi, Alandi, Tal-Khed, Pune-412105.
32	Mr.Datir Rahul	Global Pharma	Shop No-6,Omsai Market,Krushna Nagar,Chikhali,Pune-411019

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

Self assessment Marks: 10

Apart from the academic activities, the students are also involved in various co - curricular and extra-curricular activities organized at Inter-Collegiate as well as Intra-collegiate level.

Cultural in charge and sport in charge plays an important role for organizing, co-coordinating and conduction of all these activities in coordination with student in charge. More emphasis is given on attainment of POs through feedback system.

A] **Co -curricular Activities**

B] **Extra-curricular Activities**

The following Co-curricular activities are being conducted at college level every year for improving students learning experience, develop leadership skills, team integrity, co-ordination skills, overall development of students and attainment of POs. The POs which are not attained in curricula are being attained in these activities (Table 8.7.1& Table 8.7.2).

Table 8.7.1: Intra collegiate Co-curricular Activities

Sr. No	Name of Activity	Nature of Activity	Date	Organizer	No. of Students benefited
Academic Year 2020-21					
1	Two Day Webinar series	Webinar Series	06/05/2020-07/05/2020	IQAC of MES College of Pharmacy, Sonai	100
2	Webinar Series on "Career Opportunities in Pharmacy"	Webinar Series	2/7/2021-3/7/2021	IQAC of MES College of Pharmacy, Sonai	100
3	COVID-19 Awareness Quiz Program	Quiz Program	30/4/2020	MES College of Pharmacy, Sonai	100
4	Yoga Day	Workshop	21/6/2020	NSS, MES's COP, Sonai	100
Academic Year 2019-20					
1	Yoga Day	Workshop	21/6/2019	NSS, MES's COP, Sonai	100
2	Oath to QuitTobacco	NSS	11/07/2019	NSS, MES's COP, Sonai	100
3	Blood Donation Camp	Campaign	04/08/2019	NSS, MES's COP, Sonai	36
4	Constitution day Celebration	NSS	26/11/2019	NSS, MES's COP, Sonai	100
5	Fit India Movement	Workshop	29/10/2019	NSS, MES's COP, Sonai	100
6	Kautuki River Cleaning/ Mahatma Gandhi Jayanti.	Cleaning Movement	02/10/2019	NSS, MES's COP, Sonai	100
7	Aids Awareness Week	Quiz & Essay Writing	02/12/2019	NSS, MES's COP, Sonai	100
8	SwachhBharat Abhiyan	Cleaning Movement	08/1/2020	NSS, MES's COP, Sonai	50

9	Save Girl Child and Road Safety Awareness	Street Play & Rally	09/01/2020	NSS, MES's COP, Sonai	50
10	Computer Literacy	Training	09/01/2020	NSS, MES's COP, Sonai	50
11	Health and Family Survey	Survey	09/01/2020	NSS, MES's COP, Sonai	50
12	Blood Donation Camp	Campaign	10/01/2020	NSS, MES's COP, Sonai	47
13	Dental Checkup Camp	Campaign	10/01/2020	NSS, MES's COP, Sonai	50
14	Hb CheckupCamp	Campaign	10/1/200	NSS, MES's COP, Sonai	50
15	Eye Donation Resolution	Campaign	10/01/2020	NSS, MES's COP, Sonai	50
16	Tree Plantation	Campaign	11/01/2020	NSS, MES's COP, Sonai	50
17	Plastic NirmulanAbhiyan	Campaign	12/01/2020	NSS, MES's COP, Sonai	50
Academic Year 2018-19					
1	National Conference	Conference	15/02/2019 & 16/02/2019	MES's COP, Sonai	168
2	Model Making Competition	Scientific Exhibition	16/02/2019	MES's COP, Sonai	60
3	Earn &Learn Scheme	Student Development	01/08/2018 & 28/02/2019	MES's COP, Sonai	10
4	Competitive Exam Guidance	Competition skills	11/02/2019	T& P Cell MES's COP, Sonai	66
5	Preparation of Herbarium of Medicinal Plants (Malichinchore)	Presentation skills	07/01/2019	NSS, MES's COP, Sonai	20
6	Dental Checkup	Campaign	04/01/2019	NSS, MES's COP, Sonai	100
7	Blood Donation Camp	Campaign	18/09/2018 &04/01/2019	NSS, MES's COP, Sonai	50+53
8	Medical Checkup Camp	Campaign	04/01/2019	NSS, MES's COP, Sonai	80
9	Yoga Day	Workshop	21/6/2018	NSS, MES's COP, Sonai	170
10	Tree plantation	Campaign	26/07/2018	NSS, MES's COP, Sonai	50
11	Swachh Bharat Abhiyan	Cleaning Movement	02/08/2018	NSS, MES's COP, Sonai	50
Academic Year 2017-18					
1	National Conference	Conference	16/02/2018 & 17/02/2018	MES's COP, Sonai	148
2	Beti Bachao Ralley	Campaign	01/01/2018	MES's COP, Sonai	172
3	Earn & Learn Scheme	Student Development	24/05/2017 &	SDO,MES's COP, Sonai	22

			28/02/2018		
4	Special Guidance series	Guest Lecture	16/08/2017 & 07/02/2018	MES's COP, Sonai	45
5	Yoga Day	Workshop	21/06/2018	MES's COP, Sonai	40
6	MahilaSabalikaran (Women Empowerment)	Student Development	06/02/2018	SDO MES's COP, Sonai	63
7	Judo &Karate	Student Development	17/01/2018	SDO MES's COP, Sonai	45
8	Dental Checkup	Campaign	01/01/2018	NSS, MES's COP, Sonai	100
9	Pharmacy Day Celebration: Pharmacist Caring for you	Pharmacy	25/09/2017	MES's COP, Sonai	100
10	Blood Donation Camp	Campaign	27/12/2017	NSS,MES's COP, Sonai	58
11	Medical Checkup Camp	Campaign	01/01/2018	NSS,MES's COP, Sonai	100
12	Free Blood Sugar &Hb Checkup	Campaign	28/12/2018	NSS,MES's COP, Sonai	48
13	Cleaning of Dnyaneshwar Temple (Newasa)	Campaign	16/8/2017	NSS,MES's COP, Sonai	50
14	Tree Plantation	Campaign	26/12/2017	NSS,MES's COP, Sonai	50
15	Swachh Bharat Abhiyan	Cleaning Movement	27/12/2017	NSS, MES's COP, Sonai	50
Academic Year 2016-17					
1	National Conference	Conference	03/02/2017& 04/02/2017	MES's COP, Sonai	55
2	Blood Donation Camp	Health Campaign	10/01/2017	NSS,MES's COP, Sonai	62
3	Cleaning of College and its Surroundings	Cleaning Movement	06/01/2017	NSS,MES's COP, Sonai	50
4	Herbarium preparation	Task	09/01/2017	NSS,MES's COP, Sonai	50
5	Dental Checkup	Campaign	09/01/2017	NSS,MES's COP, Sonai	50

Table 8.7.2: Inter-collegiate Co-curricular Activities

Sr. No	Name Of Activity	Nature Of Activity	Date	Organizer	No. Of Students benefited
Academic Year 2020-21					
1	1 st International Conference on Climate Change and its Effect on Biodiversity,Commerce and Economocs.	Oral Presentation	28/2/2020-29/2/2020	Arts Commerce and Science College, Sonai	2
2	SPER National E-Poster Competition	E-Poster Competition	17/5/2020	Society of Pharmaceutical Education and Research India	1
3	E-Poster Competition on Role of Pharmacist in Management of covid-19	E-Poster Competition	9/9/2020	Anand Charitable Sansthas College of Pharmaceutical Sciences and Research ,Ashti	1
4	FIP Digital Event on Supporting self-care: sore throat	FIP Digital Event	23/11/2021	International Pharmaceutical Federation	1
Academic Year 2019-20					
1	Avishkar -2020	District Level Research Competition	1/11/2019-15/11/2019	SPPU PUNE	6
2	Avishkar-2020	Zonal Level Research Competition	1/11/2019-15/11/2019	SPPU PUNE	5
3	Sanjivani Avishkar-2020	National level research competition	15/03/2020	Sanjivani College of Pharmaceutical Education and Research, Kopargaon	2
4	ICCCBCE-2020	International conference	28/02/2020 & 29/02/2020	Arts, Commerce and Science College, Sonai	3
5	Poster Presentation Competition	State level Poster Presentation	7/2/2020	Samarth Institute of Pharmacy, Belhe.	2
6	University Sponsored National Conference	Oral Presentation	14/2/2020&15/02/2020	Amrutvahini College of Pharmacy,	1

				Sangamner	
7	AAGNEUM-2020,Quiz Competition	Inter-institute Competition	13/2/2020	IMS College Ahmednagar	4
8	AAGNEUM-2020,MOCK PRESS Competition	Inter-institute Competition	13/2/2020	IMS College Ahmednagar	3
9	AAGNEUM-2020,Face Painting Competition	Inter-institute Competition	13/2/2020	IMS College Ahmednagar	2
10	AAGNEUM-2020,Collage making Competition	Inter-institute Competition	13/2/2020	IMS College Ahmednagar	4
11	AAGNEUM-2020,Extempore Competition	Inter-institute Competition	13/2/2020	IMS College Ahmednagar	2
12	AAGNEUM-2020,Ad-Mad Competition	Inter-institute Competition	13/2/2020	IMS College Ahmednagar	6
13	AAGNEUM-2020,Singing Competition	Inter-institute Competition	13/2/2020	IMS College Ahmednagar	4
14	AAGNEUM-2020,Group Dance Competition	Inter-institute Competition	13/2/2020	IMS College Ahmednagar	8
Academic Year 2018-19					
1	National level Conference	Poster Competition	01/03/2019 & 02/03/2019	Amrutvahini College ofPharmacy, Sangamner	02
2	National level Conference	Poster Competition	06/02/2019 & 07/02/2019	PRES College of Pharmacy, Loni	02
3	National level Conference	Poster Competition	01/02/2019& 02/02/2019	PRES College of Pharmacy, Loni	02
4	National level Conference	Poster Competition	5/12/2018 & 13/12/2018	SitabaiThite College of Pharmacy,Shirur,Pune	01
5	Avishkar-2019	Project Competition	01/03/2019 & 02/03/2019	College of Engineering ViladGhat, Ahmednagar	05
Academic Year 2017-18					
1	National Conference	Poster Competition	09/02/2018& 10/02/2018	PRES College of Pharmacy, Loni	02

2	National Conference	Poster Competition	8/02/ 2018	PRES College of Pharmacy, Loni	02
3	Avishkar	Poster Competition	10/12/2017	Arts Commerce and Science College,Rahuri	01
4	National Seminar	Poster Competition	10/02/2017& 11/02/2017	Amrutvahini College of Pharmacy, Sangamner	02
Academic Year 2016-17					
1	Avishkar Orientation Workshop	Orientation Program	18/03/2017	Arts Commerce &Science College, Sonai	01
2	National Seminar	Poster Competition	09/02/2017 & 10/02/2017	PRES College of Pharmacy, Loni	02
3	Avishkar District Level	Project Competition	08/12/2016	Arts Commerce and Science College Rahuri.	06
4	Avishkar Zonal Level	Project Competition	10/02/2017 & 11/02/2017	Amrutvahini College of Pharmacy, Sangamner	01

B] **Extracurricular Activities**

Extracurricular activities help students in strengthening their mind to promote better time management skills and succeed in much more than just their academic endeavors. They help students in getting training in professional skills, getting wider social awareness and exploration of interests.

The following extracurricular activities are being conducted every year for overall development of students as well as attainment of POs. The POs which are not attained in curricula are being attained through these activities (Table 8.7.3 & 8.7.4).

Table 8.7.3: Intracollegiate Extracurricular Activities

Sr. No	Name of Activity	Nature of Activity	Date	Organizer
Academic Year 2020-21				
1	Gurupourniama Celebration	Group Activity	05/07/20	MES's COP, Sonai
2	LokmanyaTilakJayanti Celebration	Group Activity	23/07/20	MES's COP, Sonai
3	Dahihandi Celebration Celebration	Group Activity	12/08/20	MES's COP, Sonai.
4	Independence day celebration	Group Activity	15/08/20	MES's COP, Sonai.

5	Ganpati Festival Celebration	Group Activity	22/08/20 to 01/09/20	MES's COP, Sonai
6	Teacher's Day celebration	Group Activity	05/09/20	MES's COP, Sonai.
7	Fresher Party celebration	Group Activity	26/02/20	MES's COP, Sonai.
8	World Pharmacy day celebration	Group Activity	25/09/20	MES's COP, Sonai.
9	Mahtma Gandhi Jayanti celebration	Group Activity	02/10/20	MES's COP, Sonai.
10	PanditJawaharlalJayanti Celebration	Group Activity	14/11/20	MES's COP, Sonai.
11	SavtribaiPhuleJayanti Celebration	Group Activity	03/01/21	MES's COP, Sonai.
12	JijamataJayanti , Swami VivekanandJayanti Celebration	Group Activity	12/01/21	MES's COP, Sonai.
13	Republic day celebration	Group Activity	26/01/21	MES's COP, Sonai.
14	YashwantRaoChavanJayanti celebration	Group Activity	12/02/21	MES's COP, Sonai.
15	Shivjayanti celebration Celebration	Group Activity	19/02/21	MES's COP, Sonai.
16	Women's Day Celebration	Group Activity	08/03/21	MES's COP, Sonai.
17	Dr. BabasahebAmbedkarJayanti	Group Activity	14/04/21	MES's COP, Sonai.
18	Farewell Celebration	Group Activity	03/09/21	MES's COP, Sonai.
Sport activities				
1	Online Chess Tournament	Individual	02/08/2021	Delonix Society COP, Baramati& Poona District Chess Association
Academic Year 2019-20				
1	Guru Purnima Celebration	Group Activity	16/7/2019	MES's COP, Sonai
2	LokmanyaTilakJayanti	Group Activity	23/7/2019	MES's COP, Sonai
3	Independence Day Celebration	Group Activity	15/08/2019	MES's COP, Sonai.
4	Dahi-Handi Celebration	Group	23/08/2019	MES's COP, Sonai.

		Activity		
5	Ganapati Festival	Group Activity	2/9/2019-6/9/2019	MES's COP, Sonai
6	Teachers' Day Celebration	Group Activity	05/09/2019	MES's COP, Sonai.
7	Freshers' Party Celebration	Group Activity	07/09/2019	MES's COP, Sonai.
8	World Pharmacy day Celebration	Group Activity	25/09/2019	MES's COP, Sonai.
9	Mahatma Gandhi Jayanti Celebration	Group Activity	02/10/2019	MES's COP, Sonai.
10	PanditJawaharlal Nehru Jayanti Celebration	Group Activity	14/11/2019	MES's COP, Sonai.
11	SavitribaiPhuleJayanti Celebration	Group Activity	03/01/2020	MES's COP, Sonai.
12	JijamataJayanti , Swami VivekanandJayantiCelebration	Group Activity	12/01/2020	MES's COP, Sonai.
13	Republic Day Celebration	Group Activity	26/01/2020	MES's COP, Sonai.
14	YashwantraoChavanJayanti Celebration	Group Activity	12/02/2020	MES's COP, Sonai.
15	Shivjayanti Celebration	Group Activity	19/02/2020	MES's COP, Sonai.
16	Annual Function **PHARMULA-2020**	Group Activity	24/02/2020-29/02/2020	MES's COP, Sonai.
17	Traditional day celebration	Group Activity	27/02/2020	MES's COP, Sonai.
18	Dance Competition	Group Activity	27/02/2020	MES's COP, Sonai.
19	Solo Dance Competition	Individual	28//02/2020	MES's COP, Sonai.
20	Group Dance Competition	Group Activity	29/02/2020	MES's COP, Sonai.
21	Duet Dance Competition	Group Activity	28/02/2020	MES's COP, Sonai.
22	Drama competition	Group Activity	28/02/2020	MES's COP, Sonai.
23	Orchestra Competition	Individual	29/02/2020	MES's COP, Sonai.
24	Funfair Competition	Group Activity	28/2/2020	MES's COP, Sonai.

25	Rangoli Competition	Individual	26/2/2020	MES's COP, Sonai.
26	Antakshari Competition	Group Activity	27/2/2020	MES's COP, Sonai.
27	Fashion show	Group Activity	29/02/2020	MES's COP, Sonai.
28	Fishponds Competition	Individual	24/02/2020-29/02/2020	MES's COP, Sonai.
29	Queen Elizabeth Competition	Group Activity	28/2/2020	MES's COP, Sonai.
30	Bollywood day	Group Activity	26/02/2020	MES's COP, Sonai.
31	Face Painting and Hair style Competition	Individual	25/2/2020	MES's COP, Sonai.
32	Ad-Mad show	Group Activity	27/2/2020	MES's COP, Sonai.
33	Cricket Competition	Group	24/02/2020-26/04/2020	MES's COP,Sonai.
34	Volleyball Competition	Group	24/02/2020-26/04/2020	MES's COP,Sonai.
35	Kabbadi Competition	Group	25/02/2020-26/04/2020	MES's COP,Sonai.
36	Disc Throw Competition	Individual	25/02/2020	MES's COP,Sonai.
37	Ball Throw Competition	Individual	25/02/2020	MES's COP,Sonai.
38	Athletics (100M & 200M) Competition	Individual	26/02/2020	MES's COP,Sonai.
39	Badminton Competition (Girls and Boys)	Individual and Group	24/02/2020	MES's COP,Sonai.
40	Table Tennis Competition	Individual and Group	25/02/2020	MES's COP,Sonai.
41	Carrom Competition	Individual and Group	24/02/2020	MES's COP,Sonai.
42	Chess Competition	Individual	24/02/2020	MES's COP,Sonai.
43	Tug of War Competition	Group	25/02/2020	MES's COP,Sonai.
44	Relay Competition	Group	26/02/2020	MES's COP,Sonai.
45	Hop Scotch/Thikari Competition	Individual	28/02/2020	MES's COP,Sonai.
46	Gilli-Danda Competition	Group	28/02/2020	MES's COP,Sonai.
47	Lagori Competition	Group	28/02/2020	MES's COP,Sonai.
48	Kancha Competition	Individual	28/02/2020	MES's COP,Sonai.
49	Hoop Rolling Competition	Individual	28/02/2020	MES's COP,Sonai.

Academic Year 2018-19				
1	Independence daycelebration	Group Activity	15/08/2018	MES's COP, Sonai.
2	Dahi-Handi Celebration	Group Activity	03/09/2018	MES's COP, Sonai.
3	Teachers' Daycelebration	Group Activity	05/09/2018	MES's COP, Sonai.
4	Freshers' Partycelebration	Individual	07/09/2018	MES's COP, Sonai.
5	Ganapati Festivalcelebration	Individual	13/09/2018-19/09/2018	MES's COP, Sonai.
6	World Pharmacy Day Celebration	Group Activity	25/09/2018	MES's COP, Sonai.
7	Mahatma Gandhi Jayanticelebration	Group Activity	02/10/2018	MES's COP, Sonai.
8	NavratriFestival Celebration	Group Activity	10/10/2018-18/10/2018	MES's COP, Sonai.
9	SavitribaiPhuleJayanti	Group Activity	03/01/2019	MES's COP, Sonai.
10	JijamataJayanti and Swami VivekanandaJayanti	Group Activity	12/01/2019	MES's COP, Sonai.
11	Republic Day Celebration	Group Activity	26/01/2019	MES's COP, Sonai.
12	Annual Function Day**PHARMULA-2019**	Group Activity	12/02/2019-19/02/2019	MES's COP, Sonai.
13	YashwantraoChavanJayantiCelebration	Group Activity	12/02/2019	MES's COP, Sonai.
14	Shiv Jayanti Celebration	Group Activity	19/02/2019	MES's COP, Sonai.
15	Women's DayCelebration	Group Activity	08/03/2019	MES's COP, Sonai.
16	Dr.BabasahebAmbedkarJayantiCelebration	Group Activity	14/04/2019	MES's COP, Sonai.
17	Farewell Celebration	Group Activity	05/06/2019	MES's COP, Sonai.
18	Traditional Day Celebration	Group Activity	18/02/2019	MES's COP, Sonai.
19	Dance Competition	Competition	19/02/2019	MES's COP, Sonai.
20	Solo Dance Competition	Competition	19/02/2019	MES's COP, Sonai.
21	Group Dance Competition	Competition	19/02/2019	MES's COP, Sonai.

22	Duet DanceCompetition	Competition	19/02/2019	MES's COP, Sonai.
23	Drama Competition	Competition	18/02/2019	MES's COP, Sonai.
24	Orchestra	Competition	19/02/2019	MES's COP, Sonai.
25	Funfair Competition	Competition	17/2/2019	MES's COP, Sonai.
26	Rangoli Competition	Competition	17/2/2019	MES's COP, Sonai.
27	Antakshari Competition	Competition	17/2/2019	MES's COP, Sonai.
28	Fashion show	Competition	19/02/2019	MES's COP, Sonai.
29	Fishponds Competition	Competition	12/02/2019-19/02/2019	MES's COP, Sonai.
30	Queen Elizabeth Competition	Competition	17/2/2019	MES's COP, Sonai.
Sports activities				
31	Chess Competition	Competition	14/09/2018-16/09/2018	MES's COP, Sonai.
32	Cricket Competition	Competition	12/02/2019-13/02/2019	MES's COP, Sonai.
33	Volleyball Competition	Competition	12/02/2019-13/02/2019	MES's COP, Sonai.
34	Kabbadi Competition	Competition	12/02/2019-13/02/2019	MES's COP, Sonai.
35	Disc Throw Competition	Competition	12/02/2019-13/02/2019	MES's COP, Sonai.
36	Athletics Competition (100M & 200M)	Competition	12/02/2019-13/02/2019	MES's COP, Sonai.
37	Badminton Competition (Girls and Boys)	Competition	12/02/2019-13/02/2019	MES's COP, Sonai.
38	Table Tennis Competition (Single /Double) (Girls and Boys)	Competition	12/02/2019-13/02/2019	MES's COP, Sonai.
39	Carrom Competition (Single /Double) (Girls and Boys)	Competition	12/02/2019-13/02/2019	MES's COP, Sonai.
40	Swachh Bharat Abhiyan	Competition	02/08/208	MES's COP, Sonai.
41	Tree Plantation	Competition	26/07/2018	MES's COP, Sonai.
Academic Year 2017-18				
1	Dahihandicelebration	Group Activity	14/08/2017	MES's COP, Sonai.
2	Independence daycelebration	Group Activity	15/08/2017	MES's COP, Sonai.
3	Ganapati Festivalcelebration	Group Activity	25/08/2017 -	MES's COP, Sonai.

			31/08/2017	
4	Fresher Partycelebration	Individual	01/09/2017	MES's COP, Sonai.
5	Teacher Daycelebration	Individual	05/09/2017	MES's COP, Sonai.
6	World pharmacy day	Group Activity	25/09/2017	MES's COP, Sonai.
7	NavratriFestivalcelebration	Group Activity	29/09/2017	MES's COP, Sonai.
8	Mahtma Gandhi Jayanticelebration	Group Activity	02/10/2017	MES's COP, Sonai.
9	SavtribaiPhuleJayanticelebration	Group Activity	03/01/2018	MES's COP, Sonai.
10	JijamataJayanti , Swami VivekanandJayanticelebration	Group Activity	12/01/2018	MES's COP, Sonai.
11	Republic daycelebration	Group Activity	26/01/2018	MES's COP, Sonai.
12	Annual Function Day**PHARMULA-2018**	Group Activity	09/02/2018-12/02/2018	MES's COP, Sonai.
13	Shivjayanticelebration	Group Activity	19/02/2018	MES's COP, Sonai.
14	Women's Daycelebration	Group Activity	08/03/2018	MES's COP, Sonai.
15	Farewell celebration	Group Activity	29/04/2018	MES's COP, Sonai.
16	Retro day	Competition	10/02/2018	MES's COP, Sonai.
17	Dance Competition	Competition	12/02/2018	MES's COP, Sonai.
18	Solo Dance	Competition	12/02/2018	MES's COP, Sonai.
19	Group Dance	Competition	12/02/2018	MES's COP, Sonai.
20	Duet Dance	Competition	12/02/2018	MES's COP, Sonai.
21	Drama competition	Competition	12/02/2018	MES's COP, Sonai.
22	Orchestra	Competition	12/02/2018	MES's COP, Sonai.
23	Funfair/Traditional Day	Competition	11/02/2018	MES's COP, Sonai.
24	Rangoli	Competition	11/02/2018	MES's COP, Sonai.
25	Antakshari	Competition	11/02/2018	MES's COP, Sonai.
26	Fashion show	Competition	12/02/2018	MES's COP, Sonai.
27	Fishponds	Competition	09/02/2018-12/02/2018	MES's COP, Sonai.
28	Queen Elizabeth	Competition	11/02/2018	MES's COP, Sonai.
Sports activities				
29	Cricket	Competition	09/02/2018-10/02/2018	MES's COP, Sonai.
30	Volleyball	Competition	09/02/2018-10/02/2018	MES's COP, Sonai.
31	Kabbadi	Competition	09/02/2018-	MES's COP, Sonai.

			10/02/2018	
32	Disc Throw	Competition	09/02/2018-10/02/2018	MES's COP, Sonai.
33	Athletics (100M & 200M)	Competition	09/02/2018-10/02/2018	MES's COP, Sonai.
34	Badminton (Girls and Boys)	Competition	09/02/2018-10/02/2018	MES's COP, Sonai.
35	Table Tennis	Competition	09/02/2018-10/02/2018	MES's COP, Sonai.
36	Carom	Competition	09/02/2018-10/02/2018	MES's COP, Sonai.
37	Chess	Competition	09/02/2018-10/02/2018	MES's COP, Sonai.
38	Cleaning Programme	Competition	27/12/2017	MES's COP, Sonai.
39	Tree Plantation	Competition	26/12/2017	MES's COP, Sonai.
Academic Year 2016-17				
1	Independence daycelebration	Group Activity	15/08/2016	MES's COP, Sonai.
2	Dahihandicelebration	Group Activity	25/08/2016	MES's COP, Sonai.
3	GanapatiFestivalcelebration	Group Activity	05/09/2016-09/09/2016	MES's COP, Sonai.
4	Teacher's Daycelebration	Group Activity	05/09/2016	MES's COP, Sonai.
5	Fresher Partycelebration	Group Activity	07/09/2016	MES's COP, Sonai.
6	World pharmacy day	Group Activity	25/09/2016	MES's COP, Sonai.
7	NavratriFestivalcelebration	Group Activity	09/10/2016-16/10/2016	MES's COP, Sonai.
8	Republic day Celebration		26/01/2017	MES's COP, Sonai.
9	Annual Function Day**PHARMULA-2017**	Group Activity	11/02/2017-13/02/2017	MES's COP, Sonai.
10	Shiv Jayanti Celebration	Group Activity	19/02/2017	MES's COP, Sonai.
11	Women's Daycelebration	Group Activity	08/03/2017	MES's COP, Sonai.
12	Farewell celebration	Group Activity	22/04/2017	MES's COP, Sonai.
13	Traditional Daycelebration	Competition	12/02/2017	MES's COP, Sonai.
14	Dance Competition	Competition	13/02/2017	MES's COP, Sonai.
15	Drama Competition	Competition	13/02/2017	MES's COP, Sonai.
16	Orchestra	Competition	13/02/2017	MES's COP, Sonai.

17	Funfair Competition	Competition	12/02/2017	MES's COP, Sonai.
18	Rangoli Competition	Competition	12/02/2017	MES's COP, Sonai.
19	Fashion Show	Competition	13/02/2017	MES's COP, Sonai.
20	Queen Elizabeth Competition	Competition	13/02/2017	MES's COP, Sonai.
21	Mehandi Competition	Competition	11/02/2017	MES's COP, Sonai.
22	Art Gallery	Competition	11/02/2017	MES's COP, Sonai.
Sports Activities				
23	Cricket Competition	Competition	21/01/2017-22/01/2017	MES's COP, Sonai.
24	Volleyball Competition	Competition	21/01/2017-22/01/2017	MES's COP, Sonai.
25	Kabbadi Competition	Competition	21/01/2017-22/01/2017	MES's COP, Sonai.
26	Disc Throw Competition	Competition	21/01/2017-22/01/2017	MES's COP, Sonai.
27	Athletics Competition (100M & 200M)	Competition	21/01/2017-22/01/2017	MES's COP, Sonai.
28	Badminton Competition (Girls and Boys)	Competition	21/01/2017-22/01/2017	MES's COP, Sonai.
29	Table Tennis Competition	Competition	21/01/2017-22/01/2017	MES's COP, Sonai.
30	Carrom Competition	Competition	21/01/2017-22/01/2017	MES's COP, Sonai.
31	Chess Competition	Competition	21/01/2017-22/01/2017	MES's COP, Sonai.
32	Cleaning Programme	Campaign	06/01/2017-07/01/2017	MES's COP, Sonai.
33	Tree Plantation	Campaign	09/01/2017	MES's COP, Sonai.

Table 8.7.4: Inter collegiate Extracurricular Activities

Sr. No	Name Of Activity	Nature of Activity	Date	Organizer	No. Of Students benefited
Academic Year 2019-20					
1	Essay Writing	Individual	10/09/2019	Shri.Dnyaneshwar College, Newasa	01
2	Debate Competition	Individual	21/01/2020	Arts ,Commerce and Science college, Sonai	2
3	AAGNEYUM Competition	Individual & Group	13/02/2020	Institute of Management Studies career Development Research ,Ahmednager	27
4	Badminton	Group	23/09/2019	SavitribaiPhule Pune University	

	(Men and Women)	&Individual		&Ahmednagar District Zonal Sports Committee at New Law College, Ahmednagar.	05
5	Cricket(Men) (6th State level STCOP Pharm Cup)	Group	31/12/2019	SitabaiThite College of Pharmacy, Shirur,Tal-Shirur,Dist. Pune-412210	13
6	Cricket (Men) (3rd IPPL 2020)	Group	09/02/2020	Dr.VithalraoVikhePatil Foundation's College of Pharmacy, VialdGhat ,Ahmednagar-414111	13
Academic Year2018-19					
1	Debate Competition	Competition	28/9/2016	Arts, commerce and Science college ,Sonai	02
2	Elocution Competition	Competition	25/11/2018	Arts, commerce and Science college ,Sonai	02
3	Kho-Kho (Women)	Sports Competition	01/09/2018 to 02/09/2018	SavitribaiPhule Pune University&Ahmednagar District Zonal Sports Committee at MES's Arts, Commerce and Science College, Sonai.	09
4	Judo (Men)	Sports Competition	25/08/2018	SavitribaiPhule Pune University &Ahmednagar District Zonal Sports Committee at PremrajSarda College, Ahmednagar	01
5	Badminton (Men and Women)	Sports Competition	30/08/2018 to 31/08/2018	SavitribaiPhule Pune University&Ahmednagar District Zonal Sports Committee at New Law College, Ahmednagar.	04
Academic Year2017-18					
1	Elocution Competition	Competition	24/09/2017	Shri. Dnyaneshwar College, Newasa	02
2	Dance Competition	Competition	7/10/2017	SavitribaiPhule Pune University	15
3	Dance Competition	Competition	4/08/ 2017	SavitribaiPhule Pune University	15
4	Dance Competition	Competition	29/09/2017	YashwantSamajikPratistan,Sonai	15
5	Judo (Men)	Sports Competition	25/09/2017-26/09/2017	SavitribaiPhule Pune University &Ahmednagar District Zonal Sports Committee at PremrajSarda College, Ahmednagar	03
Academic Year2016-17					
1	Elocution Competition	Competition	31/08/2016	Shri.Dnyaneshwar College, Newasa	03

2	Dance Competition	Competition	14/09/2016	YashwantSamajikPratistan,Sonai	06
3	Kabbaddi (Men)	Sport Competition	20/09/2016 to 22/09/2016	SavitribaiPhule Pune University &Ahmednagar District Zonal Sports Committee at New Law College, Ahmednagar.	10
4	Volley Ball	Sport Competition	02/09/2016	SavitribaiPhule Pune University &Ahmednagar District Zonal Sports Committee at Arts, Commerce and Science College, Rahata.	07
5	Badminton	Sport Competition	18/08/2016	SavitribaiPhule Pune University &Ahmednagar District Zonal Sports Committee at Arts, Commerce and Science College, Rahata.	04

Criterion 8: Student Support System (50)

Self-Assessment Worksheet

Sr. No	Sub Criteria	Max. Marks/ Weightage	Self-assessment Marks	Marks Awarded
8.1.	Mentoring system to help at individual levels	05	05	
8.2.	Feedback analysis and reward /corrective measures taken, if any	10	10	
8.3.	Feedback on facilities	05	05	
8.4	Self Learning	05	05	
8.5	Career Guidance, Training, Placement	10	10	
8.6	Entrepreneurship Cell	05	05	
8.7	Co-curricular and Extra-curricular Activities	10	10	
	Total	50	50	

CRITERION 9

Governance, Institutional Support and Financial Resources

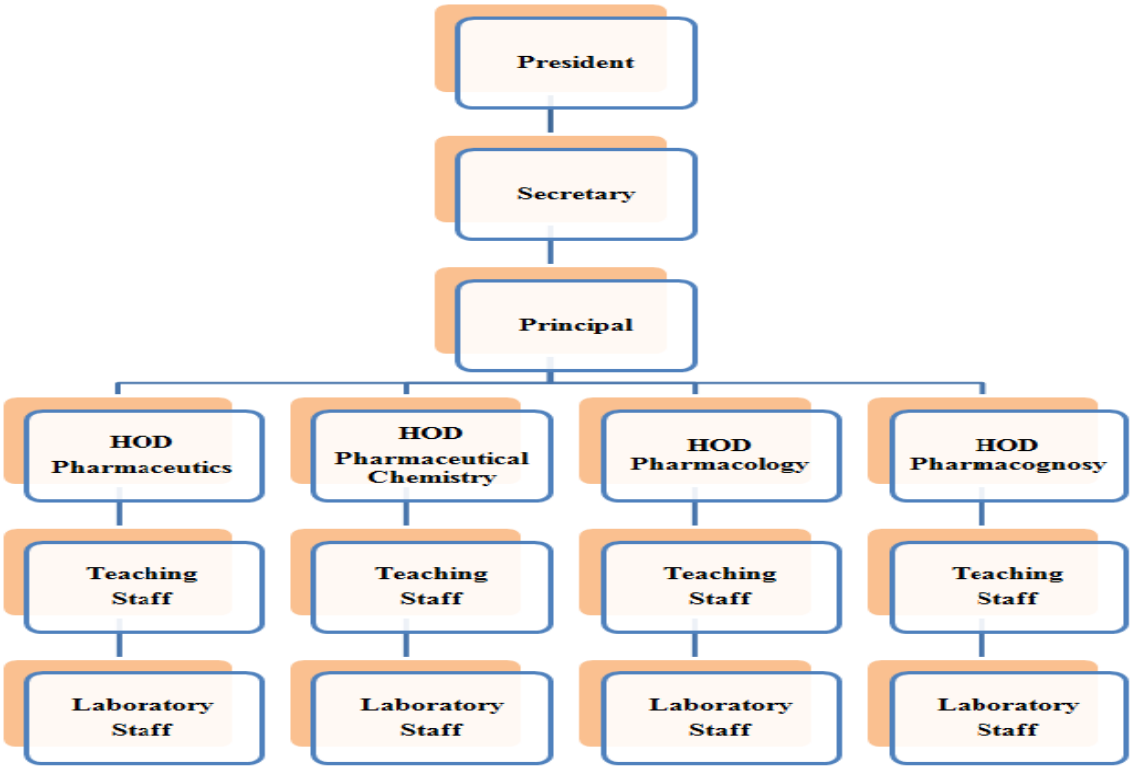
CRITERION 9	Governance, Institutional support and Financial resources	100

9.1. Organization, Governance and Transparency (50)

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

The institute has following governing, senate, academic and administrative bodies.

1. Governing Body
2. College Development Committee
3. IQAC Cell
4. Institutional Examination Committee
5. Academic Advisory Committee
6. Anti-Ragging Committee
7. Training and Placement Cell
8. Library Committee
9. Research and Development and IPR Cell
10. Women's GrievanceRedressal Cell
11. Internal Complaint Committee



Administrative set up

1. Governing Body

The Governing Body of the institution comprises of the members from the Mula Education Society (Trust), AICTE, DTE, Savitribai Phule Pune University, Industry, Principal and faculty (Table 9.1.1.1). Meeting of the Governing body is held twice in a year. Apart from this, a meeting of Principal and faculty members is conducted every month to deliberate on academic aspects.

Functions and Responsibilities

1. To strive for achievement and implementation of mission and goals of the institute for academic excellence.
2. To execute instructional programs and maintenance of proper academic and students affairs and discipline.
3. To appoint suitable administrative, academic and other supportive personnel and to determine their emoluments and conditions of service, to evaluate performance appraisal and promotion eligibility.
4. To establish a framework for financial resources, audit, budget and facilities for smooth functioning of the institute & to plan and execute strategies for betterment and well-being of employees.
5. To approve quality strategies and budget for the institution.

Table 9.1.1.1: Composition of Governing Body

Sr.No.	Name	Designation	Status of member
1	Shri. Prashant Yashwantrao Gadakh	Chairman	President
2	Shri.U.M. Londhe	Member	Management Representative
3	Shri.Dr. B.E.Gawali	Member	Management Representative
4	Dr. R.G.Mate	Member	Management Representative
5	Dr. Ajeet Singh	Ex-off. Member	Regional Officer, WRO Mumbai ,AICTE Representative
6	Dr. AbhayWagh,	Ex-off. Member	DTE Mumbai Representative
7	Dr.C.D. Upasani	Member	SPPU, Pune Representative
8	Dr.S.S. Angadi	Member	Person from academic
9	Mr. R.S. Badhe	Member	Person from Industry
10	Dr.V.B. Ghawate	Member	College faculty Representative
11	Dr.P.B. Mohite	Member	College faculty Representative
12	Mr. C.S. Kedari	Member	College faculty Representative
13	Dr.V.K. Deshmukh	Member Secretary	Principal

Scheduled meeting of Governing Body

2017-18	2018-19	2019-20	2020-21	2021-22
17/07/2017	18/07/2018	18/07/2019	18/07/2020	17/07/2021
22/02/2018	18/02/2019	13/02/2020	12/02/2021	-

2. College Development Committee:

College development committee was constituted as per the norms and guidelines of affiliated colleges Maharashtra Public Universities act 2016. Prior to this, Local Managing Committee (LMC) functions as CDC (Table 9.1.1.2).

Powers and Functions of the College Development Committee:

1. To exercise general supervision over the academic work of the institute and to give directions regarding methods of instructions, evaluation, research or improvements in academic standards.
2. To consider matters of academic interest either on its own initiative or at the instance of the Governing Body and to take proper action thereon.
3. To make arrangements for the conduct of examinations in conformity with the rules and regulations of SPPU,Pune.
4. To maintain proper standards of the examinations.
5. To promote research within the institute, acquire reports on such research activities from time to time.
6. To suggest measures for co-ordination for individual classes
7. To make recommendations to the board of management on
   a) Measures for improvement of standards of teaching, training and research.
   b) Institution of fellowships, travelling fellowships, scholarships, medals, prizes etc.
   c) Establishment or abolition of departments/centers and on byelaws covering the academic functioning of the institute, discipline, admissions, examinations, award of fellowships, studentships, concessions, attendance, etc.
8. To make periodic review of the activities of the departments/centers and to take appropriate action (including making of recommendations to the Governing Body) with a view to maintaining and improving the standards of instruction.

Table 9.1.1.2: College Development Committee (CDC)

Sr. No.	Name of Member	Designation
1	Shri. PrashantYashwantraoGadakh	President
2	Shri. U. M. Londhe	Secretary
3	Dr. V. K. Deshmukh	Principal
4	Prof. V. B. Ghawate	Head of Department
5	Dr. P. B. Mohite	Coordinator IQAC
6	Dr. R. B. Pandhare	Teacher Representative
7	Dr. A. R. Pawar	Teacher Representative
8	Dr. J. G. Wagh	Teacher Representative
9	Mr. B. D. Mhase	Non-Teaching Representative
10	Mr. P. P. Gadakh	Member – Industry Representative
11	Mr. UdayPalwe	Member- Social Service
12	Mr. ManojHarde	Member- Education
13	Shri. Ram Rohokale	Member- Research Scientist

Scheduled meeting of College Development committee

2017-18	2018-19	2019-20	2020-21	2021-22
31/04/2017	23/07/2018	26/07/2019	25/07/2020	24/07/2021
22/02/2018	25/02/2019	24/02/2020	27/02/2021	

3. Internal Quality Assurance Cell (IQAC)

In pursuance for performance evaluation, assessment and accreditation and quality up-gradation, the MES's College of Pharmacy, Sonai has established the Internal Quality Assurance Cell (IQAC). Since quality improvement is a continuous process, the IQAC will work towards realization of the goals of quality enhancement and sustenance.

The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of institutions and evaluation of performance**.**

IQAC functions

1. Development and application of quality benchmarks/parameters for various academic and administrative activities of an institution
2. Dissemination of information on various quality parameters of higher education.
3. Organization of workshops, seminars on quality related themes and promotion of quality circles
4. Documentation of the various programs / activities leading to quality improvement
5. Preparation of the Annual Quality Assurance Report (AQAR)

Table 9.1.1.3: Composition of IQAC

Sr.No.	Name	Designation	Post
1	Dr. V.K. Deshmukh	Principal	Chairperson
2	Dr. V.B. Ghawate	HOD, Pharmacognosy	Member
3	Dr. P.B. Mohite	HOD, Pharma. Chemistry	IQAC coordinator
4	Dr. R.B. Pandhare	HOD, Pharmacology	Member
5	Dr. A.R. Pawar	HOD, Pharmaceutics	Member
6	Dr. J. G. Wagh	Asst. Professor	Member
7	Prof. A.A. Aher	Asst. Professor	Member
8	Prof. S.M. Bairagi	Asst. Professor	Member
9	Mr. M.A Chavan	Office superintendent	Member
10	Mr. U.M. Londhe	Secretary , MES	Member
11	Mr. P.D. Badhe	Expert From Industry	Member
12	Mr. P.B.Gadakh	Parent Representative	Member
13	Dr. S.S. Angadi	Expert	Member
14	Miss. O.N. Darandale	Current Student	Member
15	Mr. S.M.Sule	Current Student	Member
16	Mr. A.S. Darandale	Alumni Representative	Member
17	Mr. U.L.Palve	Local Society	Member

Scheduled meeting of IQAC Cell

2017-18	2018-19	2019-20	2020-21	2021-22
14/07/2017	15/07/2018	16/07/2019	28/07/2020	27/09/2021
30/01/2018	11/02/2019	06/01/2020	15/03/2021	
26/04/2018	22/03/2019	-	-	

4. Academic Advisory Committee

AAC is constituted at institute level, responsible for regulating and implementing different academic activities. It provides guidance & support in improving and implementation of curriculum at institute level. The committee supervises the teaching learning process on regular basis(Table 9.1.1.4).

Role and Responsibilities:

1. Finalization of workload, lab distributions and framing of regular time tables.
2. Review of academic activity, attendance, student feedback analysis with class teachers.
3. Monitoring the progress of teaching and learning as per the prescribed syllabus.
4. Preparation of academic calendar.
5. Identifying speakers and organizing guest lectures.
6. Identification of course and framing of syllabi for certificate courses for skill development.
7. Initiate innovative practices in teaching and learning.

Table 9.1.1.4: Academic Advisory Committee (AAC)

Sr. No.	Name	Designation	Post
1	Dr. V. K. Deshmukh	Principal	Chairperson
2	Dr. V. B. Ghawate	Vice-Principal	Member
3	Dr. P. B. Mohite	Professor	Member
4	Dr. R. B. Pandhare	Associate Professor	Member
5	Dr. A. R. Pawar	Associate Professor	Member
6	Prof. S.M. Bairagi	Assistant Professor	Member

Scheduled meeting of Academic Advisory Committee

2017-18	2018-19	2019-20	2020-21	2021-22
12/06/2017	14/06/2018	15/06/2019	02/06/2020	14/07/2021
18/09/2017	14/09/2018	20/08/2019	29/10/2020	
27/02/2018	13/02/2019	14/12/2019	17/02/2021	
31/03/2018	-	-	-	

5. Institutional Examination Committee

The Examination Committee deals with various examinations held by the college and SavitribaiPhule Pune University oversees the specialty and specifications. Examination committee advises on all matters relevant to College examinations, including time tables, timing, content, and evaluation (internals and other) of exams (Table 9.1.1.5).

Duties and responsibilities of IEC:

The IEC shall meet at least once in each academic term and perform the following duties, namely:

1. To organize and holding examination with preparation of the schedule of dates of holding internal and university practical and theory examination as per academic calendar and university schedule.

2. To devise policy, mechanism and operational strategies to do the tasks relating to assessment of performance of students efficiently and in a time bound manner.
3. To ensure proper organization of university , sessional and Continuous in semester examinations of the institute , including appointment of examiners, internal squad, display of schedule, assessment , evaluation and timely declaration of results:
4. To arrange for strict vigilance during the conduct of examinations so as to avoid use of unfair means by the students, teachers, invigilators, supervisors etc.
5. To undertake examination and evaluation reforms in order to make examination and evaluation system more efficient.
6. It shall be obligatory on every teacher and on the non teaching employee of the institute to render necessary assistance and service in respect of examination of the institute.

Table 9.1.1.5: Institutional Examination Committee (IEC)

Sr. no.	Name of IEC Member	Designation
1	Dr. V. K. Deshmukh	Principal & Chairman
2	Dr. V. B. Ghawate	Vice- Principal
3	Dr. R. B. Pandhare	College Examination Officer
4	Dr. P. B. Mohite	IQAC- Coordinator
5	Dr. J. G. Wagh	Internal Exam-In charge
6	Prof. S. M. Bairagi	Academic In charge
7	Mr. B. D. Mhase	Asst. to College Examination Officer

Scheduled meeting of Institutional Examination Committee

2017-18	2018-19	2019-20	2020-21	2021-22
23/09/2017	22/07/2018	14/09/2019	09/09/2020	02/08/2021
05/03/2018	05/03/2019	06/03/2020	27/04/2021	-
-	-	14/04/2020	-	-

6. Anti-Ragging Committee

The Institute has set up an Anti-Ragging Committee under the leadership of the Head of the Institute to ensure that measures for prevention of ragging and monitoring mechanisms are in place (Table 9.1.1.6). There are also provisions for actions to be taken against students for indulging in and abetting ragging

Roles and responsibilities of Anti-Ragging Committee:

1. To ensure compliance with the provision of UGC regulation 2009 at the institute level.
2. Anti-Ragging Squad will be working under the Monitoring of Anti Ragging Committee and will seek advice from the Anti-Ragging Committee.
3. The functions of Anti-Ragging Squad will be to keep a vigil and stop the incidences of Ragging, if any, happening / reported in the places of Student aggregation including, Classrooms, Canteens, Buses, Grounds, Hostels etc.

4. The Squad will also educate the students at large by adopting various means about the menace of Ragging and related Punishments there to.
5. A gamut of positive reinforcement activities are adopted by Anti-Ragging Squad for orienting students and molding their personality for a better cause. They shall work in Consonance and Guidance of Anti Ragging Committee.

Table 9.1.1.6:Anti-Ragging Committee

Sr.No	Name	Designation	Status of Member
1	Dr. V. K. Deshmukh	Chairman	Principal
2	Mr. S. N. Darandale	Member	Local Media Representative
3	Mr. U. L. Palve	Member	Youth Activity Organization Representative
4	Mr. P. B Mohite	Member	Teaching Staff Representative
5	Mrs. V.S. Jadhav	Member	Teaching Staff Representative
6	Mr. B.R.Jalinder	Parents	Parent Representative
7	Mr. S. B.Rajdeo	Student	Student Representative
8	Mr. M. A.Salunke	Student	Student Representative
9	Mr. B. D. Mhase	Member	Non Teaching Staff Representative
10	Sonai Police Station	Member	Civil And Police Administration Representative

Scheduled meeting of Anti-Ragging Committee

2017-18	2018-19	2019-20	2020-21	2021-22
07/08/2017	03/08/2018	08/08/2019	04/06/2020	20/10/2021
11/12/2017	05/12/2018	04/09/2019	12/02/2021	-

7. Training and Placement cell

The placement cell aims at making students as the part of planning, formatting and executing the day-to-day activities of Training and Placement. This makes them a part of the procedural set-up, which goes a long way in building their responsible character and helps them to be good planners, confident individuals, promising leaders and better human beings. The placement cell will provide an opportunity to all the students to make their career in the pharmaceutical industry, management(Table 9.1.1.7).

Roles and responsibilities of T & P Cell:

1. To look after the training and placement needs of students.
2. To coordinate with the companies for providing in-plant training to students.
3. To contact and communicate with companies to provide placement to students.
4. To collect feedback from companies for the quality of recruited students.
5. To organize campus interview and open Placement events.
6. To organize Entrepreneurship and soft skills development Programs.
7. To place number of students through off-campus interviews conducted by the Pharma companies.

Table 9.1.1.7: Composition of T & P Cell

Sr.No	Name	Designation	Status of Member
1	Dr. V. K.Deshmukh	Chairman	Principal
2	Prof. A.V.Ghule	Coordinator	Teaching Staff Representative
3	Dr. V.B.Ghawate	Member	Teaching Staff Representative
4	Prof.S .M. Bairagi	Member	Teaching Staff Representative
5	Prof. A A. Aher	Member	Teaching Staff Representative
6	Mr. R D. Zende	Student	Student Representative
7	Ms. S.M. Sule	Student	Student Representative

Scheduled meeting of Training and Placement Committee

2017-18	2018-19	2019-20	2020-21	2021-22
12/06/2017	06/07/2018	20/08/2019	27/06/2020	18/08/2021
10/03/2018	13/05/2019	15/06/2020	13/02/2021	

8. Library advisory committee

Since the Library has to cater to the needs of variety of stakeholders, a wide range of books are to be stacked in the library. In addition to this, for smooth functioning of library, safe guarding the interest of the library users, formation of policies and their implementation, a Library Advisory Committee isconstituted (Table 9.1.1.8).

Functions and Responsibilities of the Library Advisory Committee:

1. To facilitate coordination between students, faculty and the library. That is to obtain the advice and views of students on library needs in their area and report these views to library.
2. Participating in regular meetings with librarian concerning library related problems and suggestions.
3. To adopt measures to enhance readership and to seek feedback on library functions from readers.
4. To help in getting recommendations for purchase of new books, journals and magazinesfor updating the library collection
5. To formulate policies and matters pertaining to Central Library/Departmental Libraries.
6. To formulate rules, regulations and guidelines for purchase of books and journals.
7. To facilitate the process of purchase of books and journals as per the demand from individual faculty forwarded through HoDs.

Table 9.1.1.8: Composition of Library Advisory Committee

Sr.No.	Name of member	Designation	Post
1.	Dr. V. K. Deshmukh	Principal	Chairman
2.	Mr. A. A.Shingare	Librarian	Secretary
3.	Dr. V. B. Ghawate	Professor	Member
4.	Dr. P. B. Mohite	Associate Professor	Member
5.	Dr. R. B. Pandhare	Associate Professor	Member
6.	Dr. A. R. Pawar	Associate Professor	Member
7.	Mr. K.B. Agale	Asst. Prof	Member
8.	Ms. M.B. Bhalake	Student	Student representative
9.	Mrs. V. S. Jadhav	Asst. Prof.	Co-ordinator

Scheduled meeting of Library committee

2017-18	2018-19	2019-20	2020-21	2021-22
21/08/2017	13/08/2018	28/08/2019	07/08/2020	20/08/2021
19/04/2018	08/04/2019	12/02/2020	24/02/2021	

9. R & D and IPR Cell

Research and development and Intellectual Property Right (IPR) cell is established to cater to **R & D**and IPR needs of researchers,proposed start-ups and anyone who wishes to seek help in this regard (Table 9.1.1.9).

Functions and Responsibilities of the R & D and IPR Cell:

1. To create research ecosystem within the college to foster research culture and toprovide required infrastructural facilities,
2. To ensure publications in refereed and indexed journals (Scopus/ Web of Science) with good impact factor,
3. To nourish trans-disciplinary research withsocial importance and having potential for commercialization,
4. To organize workshops, seminars, guest, lectures and talks to promote constant awareness about 'Intellectual Property Rights' and registration of Patent, and
5. To promote scientific way ofresearch writing and provide awareness about plagiarism.

Table 9.1.1.9: Composition of R & D Cell

Sr. No.	Name of Member	Designation
1	Dr. V. K. Deshmukh	Chairperson
2	Dr. A. R. Pawar	Academic and Research coordinator
3	Dr. V. B. Ghawate	Member
4	Dr. R. B. Pandhare	Member
5	Dr. P. B. Mohite	Member
6	Prof. S. M. Bairagi	Member

Scheduled meeting of R & D and IPR Cell

2017-18	2018-19	2019-20	2020-21	2021-22
26/07/2017	02/07/2018	13/06/2019	16/06/2020	31/08/2021
16/04/2018	01/02/2019	06/03/2020	05/04/2021	

10. Women GrievanceRedressalCell

Function of this cell is to provide and maintain a dignified, congenial working environment for women employee (including faculty and staff) and students, where they can work, study and explore their potential to the fullest. Composition of Women Grievance Redressal Cell of our college is shown in Table 9.1.1.10.

Functions and Responsibilities of Women Grievance Redressal Cell:

1. To ensure safe and healthy working environment for female employees and students, whereby they are protected against any kind of victimization and are always provided with environment which is free from fear and is conductive to progress and for discharging their duties,
2. To scrutinize complaints of sexual harassment or gender discrimination and make time-bound enquiries on priority,
3. To submit the findings, recommendations and suggested remedial measures to the Chairman,
4. To provide special counseling to the victim, as and when necessary, and
5. To report, if there is a prima-facie case for legal or disciplinary action against the perpetrator of the crime and to pursue the case to its logical end.

Table 9.1.1.10: Composition of Women's Grievance Redressal Cell

Sr.No	Name	Designation	Status of Member
1	Dr. V. K.Deshmukh	Chairman	Principal
2	Prof. V. S. Jadhav	Coordinator	Teaching Staff Representative
3	Prof.J.G.Wagh	Member	Teaching Staff Representative
4	Prof. V. B. Ghawate	Member	Teaching Staff Representative
5	Prof. P.N. Khabiya	Member	Teaching Staff Representative
6	Ms.Prerana Mote	Student	Student Representative
7	Ms.Sejal Ubale	Student	Student Representative
8	Ms. Mayuri Gadakh	Student	Student Representative
9	Ms. Shreya Ratnaparkhi	Student	Student Representative
10	Ms. Priti Lambe	Student	Student Representative
11	Ms. Rohini Kulkarni	Student	Student Representative

Scheduled meeting of Women's Grievance Committee

2017-18	2018-19	2019-20	2020-21	2021-22
29/08/2017	23/08/2018	29/07/2019	12/02/2021	09/11/2021
-	06/02/2019	26/08/2019	10/03/2021	16/11/2021

11. Internal Complaint Committee (ICC):

The Institution has an Internal Complaint Committee (ICC) to address the grievances emanating from students,staff and faculty. Composition of the committee is shown in Table 9.1.1.11

Functions and Responsibilities of Internal Complaint Committee:

1. To accept and document the complaints
2. To discuss the matter in ICC meeting.
3. To resolve the complaint and make necessary recommendations.
4. To convey the action taken to associated persons or complainer.

Table 9.1.1.11: Composition of Internal Complaint Committee

Sr.No	Name	Designation	Status of Member
1	Dr. V. K.Deshmukh	Chairman	Principal
2	Prof. M. D. Sonawane	Coordinator	Teaching Staff Representative
3	Prof. V. B. Ghawate	Member	Teaching Staff Representative
4	Dr .R. B. Pandhare	Member	Teaching Staff Representative
5	Dr. P.B. Mohite	Member	Teaching Staff Representative
6	Prof JayshreeKakade	Member	Teaching Staff Representative
7	Ms Jaya V Mehetre	Student	Student Representative
8	Mr .SanketGugale	Student	Student Representative

Scheduled meeting of Internal Complaint Committee

2017-18	2018-19	2019-20	2020-21	2021-22
03/07/2017	02/07/2018	01/07/2019	17/07/2020	09/07/2021
01/11/2017	07/01/2019	22/02/2020	20/02/2021	

- ***The minutes of meetings, resolutions and action taken reports of all committees are documented and maintained in the institute.***

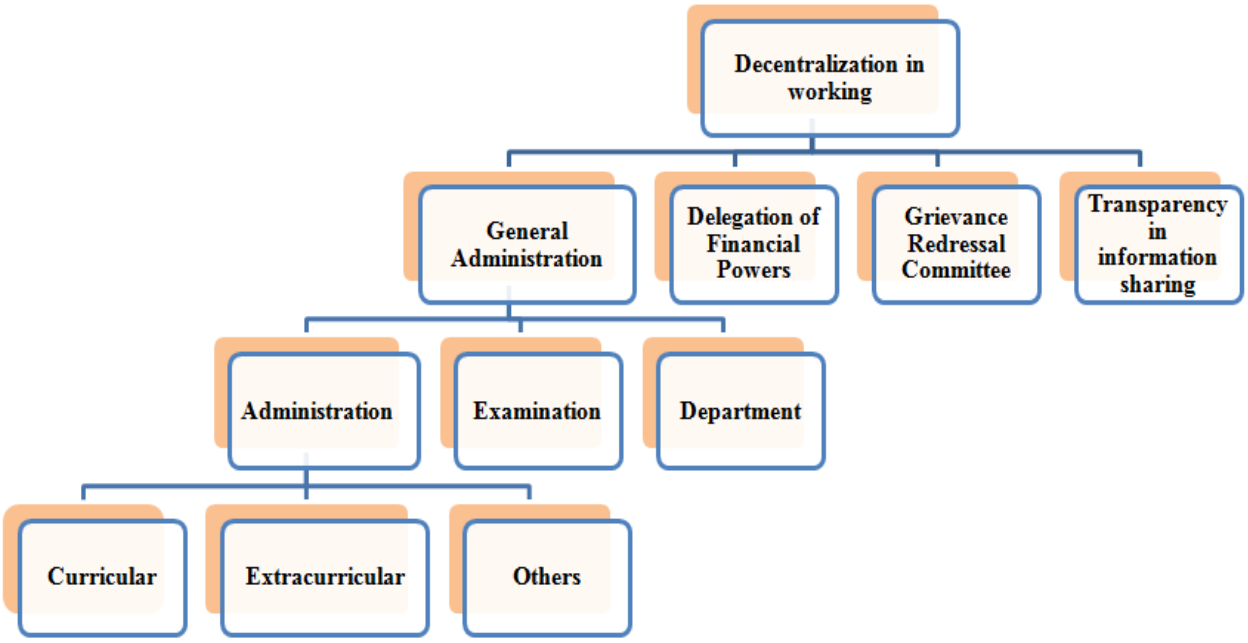
Service Rules, Procedures, Recruitment and Promotional Policies:

1. Service Rules, Procedures, Recruitment and Promotional Policies for employees are as per the rules specified by the Government of Maharashtra, Savitribai Phule Pune University and Mula Education Society as amended and revised from time to time. Maharashtra Public Universities act 2016
2. All the newly recruited staff are made aware of these rules.
3. Recruitment and approval process is implemented as per SPPU norms of faculty are executed through a following three-stage process.
   a) Advertisement about requirement in the newspapers and call for the applications within stipulated period from candidates.
   b) Scrutiny of applications and call for interview.
   c) Selection of candidate by the selection committee based on interview performance.
4. Recruitment of supportive staff is done by management as per guidelines of statutory bodies, via proper interview process.
5. Promotions and appraisals of faculty are based on Continuous Assessment System and rules & regulations amended by regulatory authorities, from time to time.
6. The rules, policies and procedures with regard to faculty and staff recruitment, promotions, leave and retirement are published on the college website.

5.1.2. Decentralization in Working and Grievance Redressal Mechanism (15)

Self-assessment Marks: 15

The Principaladopts the process of decentralization of work and delegates powers to faculties in order to streamline the process of overall governance of the college. Academic, co-curricular and extracurricular activity portfoliosare allocated to individual facultyhavingthe power of execution. Hence,the portfolio in-chargeworks independently for smooth working of the collegeand is given full freedom in decision making. He is responsible for execution of portfolio. Details of the portfolios aredepicted in the following chart and Table 9.1.2.1.



Flow Chart of Decentralization in Working

Table 9.1.2.1: Informationpertaining to decentralization in working:

Portfolios	Name of Faculty	Roles & Responsibilities
Head of Departments	Dr. A.R. Pawar Dr. P.B. Mohite Dr. R.B. Pandhare Dr. V.B. Ghawate	• To organize and undertake general supervision & development of the Department • To distribute the workload as per syllabus, • To decide the annual requirements of Lab equipment, books, stationery & consumables, • To monitor achievement of quality objectives, and • To monitor the teaching-learning process and submit recommendations for staff appraisal to the Principal.
Academic in charge	Mr. S.M. Bairagi	• To prepare academic calendar, • To distribute workload among teaching staff in consultation with HoD, • To ensure smooth conduct of academics, • To verify regular attendance record and to take corrective measures, and • To verify the course file at the end of semester in coordination with HoD andmaintain the data.

Examination (Internal & University)	Dr. R.B. Pandhare (College Examination Officer) Dr. J.G. Wagh (Sessional In charge)	• To plan and execute smooth conduct of examinations as per academic calendar, • To maintain records of internal and university examinations, • To take required decisions related to examinations, in consultation with examination committee,and • To ensure the completeness of examination process in all aspects.
Training and Placement Cell	Mr. A.V.Ghule	• To communicate with various industries and share student data • To collect the students Bio data with supporting Documents • To communicate with alumni and industries for campus interview • Take initiatives for active participation of students in pool campus drives • To maintain the record of Students placed through Faculty and college references. • To take initiative and interact with industries/ wholesale agencies/ Hospital to facilitate In-plant /Wholesale/ Hospital training
IQAC	Dr. P.B. Mohite	• To carry out all the activities related to NBA/ NAACprocess. • Development and application of quality benchmarks/parameters for various academic and administrative activities of an institution • Dissemination of information on various quality parameters of higher education. • Organization of workshops, seminars on quality related themes and promotion of quality circles • Documentation of the various programs / activities leading to quality improvement • Preparation of the Quality Assurance Report
Board of Student Development	Dr. A.R. Pawar	• To carry all such activities pertaining to overall development of students,as per university guidelines.
Computer	Mr. S.M. Bairagi	• To plan the usage of computer facilities. • To manage maintenance and recommend purchase of computers. • To maintain record of computers and their utilization.
Animal House	Dr. R.B. Pandhare	• To perform and maintain overall activities of Animal House, • To handle all issues related to animals, • To maintain the records of IAEC as per CPCSEA, and • To look after consultancy services.
Cultural in charge	Mrs. M.D. Sonawane	• To plan and execute all the intra, inter-collegiate / university cultural activities.
Sports in charge	Mr. A.B. Katarnavare	• To plan and conduct all intra, inter-collegiate / university sports.

NSS in charge	Mr. K.B. Agale	• To plan and conduct all NSS activities as per university guidelines. • To involve in social outreach programs initiated by college/ management.
Feedback System	Dr. V.B. Ghawate	• To takeall types of feedbackand submit the reports.
Magazine & E newsletter	Dr. J.G. Wagh	• To prepare and submit data forthe Newsletter.
Store	Mr. S.R. Firodiya	• To control the overall record of the central store
Library	Mr. V.S. Jadhav	• To regulate and control all activities related to library
Medicinal plant garden	Mrs. V.S. Jadhav	• To look after the maintenance of medicinal plant garden

Grievance Redressal Committee:

The institution has well established and functional Grievance Redressal Committee (Table 9.1.2.2). All grievances of student and employees are redressed expeditiously, as each one is a key member of the organization. Any grievance received in written form is appropriately dealt with by the HoD. If HoD fails to solve the problem in three days the person can appeal to the Grievance Redressal Committee which shall resolves the problem within fifteen days.

Table 9.1.2.2: Composition of Grievance Redressal Committee

Sr. No.	Name	Designation
1	Dr. V.K. Deshmukh	Chairperson Principal
2	Dr. P.B. Mohite	IQAC, Coordinator
3	Mrs. J. G. Wagh	Member, Teacher Representative
4	Mr. A. A. Aher	Member , Teacher Representative
5	Mr. R. R. Kakade	Member Student representative, Invitee

9.1.3. Delegation of financial powers (15) Self-assessment Marks: 15

Explicitly mention financial powers delegated to the Principal, Heads of Departments and relevant in-charges. Demonstrate the utilization of financial powers for each year of the assessment years.

Decentralization in working as well as financial power is concerned; the management is the highest authority.

- The annual budget is prepared by accountant in consultation with all HoDs, portfolio coordinators and Principal.
- Budget is approved in the deliberations of College Development Committee and Governing Body.
- The concerned HoD identifies the requirement of the department and place the demand to the Principal. The Principal and HoDs have authority to purchase items worth Rs. 5000/- and below.
- If case of bulk purchases or purchase worth more than Rs.5000/- the Principal finalizes the purchase orders in consultation with the Purchase Department of the Education Society.

9.1.4. Transparency and Availability of Correct/Unambiguous Information in Public Domain (10)

Self-assessment Marks: 10

- Information related to admissions, scholarship, academic, examinations and general rules and regulations related to student discipline are displayed on the students' notice boards of the college.
- The course structure and syllabus prescribed by the affiliating university, academic calendars and time-tableare uploaded and updated regularly on the website. Students, staff and parents are continuously communicated about admissions, scholarship, academics and examinations through SMS, WhatsApp messenger and emails, *etc*.In case of ambiguity, clarification is provided through mentor faculty who does counseling to the students as and when required.
- Information about major events related with extra & co-curricular activities are published in leading newspapers,college website and also on Facebook page.
- Rules for admission process, approved fee structure, recruitment of employees, service rules and conditionsare made available on college website,www.mespharmacy.org.

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

9.2.1. Adequacy of budget allocation (10)

Self-assessment Marks: 10

The annual budget of the institute is prepared according to the infrastructural needs and academic requirements of the institute, which in turn is related to the annual intake of students and availing of funds from several agencies and based on past budget expenditure. The adequate budget is allocated by the management considering the Professional course.

Also if there is an additional requirement, immediate sanction is provided by the Management as per Policy.

Summary of current financial year's budget and actual expenditure incurred (for the institution exclusively) in the three previous financial years.

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)

For 2020-21								
Financial Year	**Total Income:28290844**				**Actual expenditure : 28886961.20**			**Total No. of students: 276**
	Fee	**Govt.**	**Grant(s)**	**Other Sources (specify)**	**Recurring including Salaries**	**Non-recurring**	**Special Projects/Any other, specify**	**Expenditure per student**
CFY 2020-21	27619020	0	181437	490387	24133718.50	4753242.70		**104662.90**

For 2019-20								
Financial Year	**Total Income:26264422**				**Actual expenditure : 30121876.84**			**Total No. of students:265**
	Fee	**Govt.**	**Grant(s)**	**Other Sources (specify)**	**Recurring including Salaries**	**Non-recurring**	**Special Projects/Any other, specify**	**Expenditure per student**

CFYm1 2019-20	24568000	0	759717	936705	24253486	5868390.84	**0**	**113667.46**

For 2018-19

Financial Year	**Total Income: 25311827**				**Actual expenditure : 29532878.34**			**Total No. of students:254**
	Fee	**Govt.**	**Grant(s)**	**Other Sources (specify)**	**Recurring including Salaries**	**Non-recurring**	**Special Projects/Any other, specify**	**Expenditure per student**
CFYm2 2018-19	22874128	0	1410718	1026981	22808123	6724755.34	**0**	**116271.17**

For 2017-18

Financial Year	**Total Income: 26077983**				**Actual expenditure : 24008708.96**			**Total No. of students: 265**
	Fee	**Govt.**	**Grant(s)**	**Other Sources (specify)**	**Recurring including Salaries**	**Non-recurring**	**Special Projects/Any other, specify**	**Expenditure per student**
CFYm3 2017-18	23390264	0	867799	1819920	18933948	5074760.96	**0**	**90598.90**

Note: Similar tables are to be prepared for CFYm1, CFYm2 & CFYm3.

items	Budgeted in CFY	Actual expenses in CFY (till Jan.2021)	Budgeted in CFY*m*1	Actual Expenses in CFY*m*1	Budgeted in CFY*m*2	Actual Expenses in CFY*m*2	Budgeted in CFY*m*3	Actual Expenses in CFY*m*3
	2020-21		**2019-20**		**2018-19**		**2017-18**	
Infrastructure Built-Up	-	-	-	-	-	-	-	-
Library	200000	65400	500000	119229	500000	622089	500000	400011
Laboratory equipment	200000	00	700000	192287	500000	478230	150000	162321
Laboratory consumables	200000	42533	800000	628223	600000	792166	450000	604043
Teaching and non-teaching staff salary	22135000	21973786	21042796	21680386	19500000	19975581	15000000	16686066
Maintenance and spares	50000	90987	150000	307621	100000	243400	200000	277621
R&D	50000	12250	100000	34503	100000	-	100000	34258
Training and Travel	20000	16445	80000	111488	100000	79669	100000	66067
Miscellaneous expenses *	0	0	0	0	-	262	-	1475
Others, specify Seminar, Printing, Affiliation Fees, Advertisement expenses, transportation, Gathering, Electricity expenses, Graduatity, Audit fees, Insurance, Consultancy Charges etc	3817000	6750961	6120000	6379883.4	5482000	6760015.34	5647000	5219878.96
Total	26672000	28952362	29492796	29453620.4	26782000	28951412.34	21927000	23417483.96

*** Items to be mentioned.**

9.2.2. Utilization of allocated funds (15)

Self-assessment Marks: 15

Allocated funds utilized for its allocated purpose and are mentioned in Table 9.2.2.1.

Table 9.2.2.1: Utilization of allocated funds

Sr.No	Financial year	Funds allotted	Funds utilized	% utilization
1	2020-21	26672000.00	28952362.00	108.14
2	2019-20	29492796.00	29453620.40	99.86
3	2018-19	26782000.00	28951412.34	108.10
4	2017-18	21927000.00	23417482.96	106.79

9.2.3. Availability of the Audited Statements on the Institute's Website (5)

Self-assessment Marks: 05

Audited statements of all the assessment years are made available on the college website, www.mespharmacy.org

9.3. Library and Internet (20)

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

Self-assessment Marks: 10

The library of college is a live and ever growing unit,with 150 Sq.m. carpet area. It has well illuminated, ventilatedand spacious reading & stacking rooms. In all, it has9392 books, judiciously classified into Reference and Text books, worth Rs.40 lakhs. It also has33 periodicals of which six are of international repute. It has facility for digital books and journals, a facility made available to students and staff through DELNET subscription (Table 9.3.1.1).

The pleasant and silent environment of library also houses an E-library equipped with uninterrupted internet connection, enabling efficient browsing and downloading. ERP software enables the library staff to monitor the inventory of the library. The library is equipped with reprographic facilities.

Table 9.3.1.1 :Information about library

Total Carpet Area in Sq. Mtr.	150 sq.m.
Reading Hall Seating Capacity	80
No. of Titles	1902
No. of Volumes	9392
No. of National & International Journals	31
No. of E- Journals	392
No. of Newspaper	07
No. of CD	52
Whether Xerox facility is Available	Yes
Whether Computers Available in the Library	Yes
Whether Multimedia Facility	Yes
Library staff	02
Library Timing	9.00 am to 6.00 pm and extended as per student need.

9.3.2. Internet (10) **Self-assessment Marks: 10**

Name of the Internet provider:	BSNL
Available bandwidth	40mbps
Wi Fi availability	Wi-Fi facility is available in the campus
Internet access in labs, classrooms, library and other offices	• The Institute upgrades the computer systems with recent configurations as per requirements of users and syllabus. • As per the norms laid by governing bodies, Institute initiates changes in IT infrastructure. **Networking:** • The Institute has LAN network. • All laboratories, classrooms, library and officeare wellconnected for internet with LAN.
Security arrangements	• Colleges has Quick Heal antivirus for all computer systems. • The institute has Linux Proxy Server for user information security purpose with a provision for user name and password & entire log is maintained on the server. • Enterprise Resource Planning (ERP) software from Spectrum Services,Sonai for automation of academic and non academic processes is used in the institute to maintain and analyze the data related to various processes of Institute. • It has backup for security of information.

Criterion 9:
Governance, Institutional support and Financial Resources (100)

Self-Assessment Worksheet

Sr. No	Sub Criteria	Max. Marks/ Weightage	Self-assessment Marks	Marks Awarded
9.1	Organization, Governance and Transparency	50	-	
9.1.1	Governing body, administration setup, functions of various bodies, service rules procedures, recruitment and promotional policies	10	10	
9.1.2	Decentralization in working and grievance Redressal mechanism	15	15	
9.1.3	Delegation of financial powers	15	15	
9.1.4	Transparency and availability of correct/unambiguous information in public domain	10	10	
9.2	Budget Allocation, Utilization ,and public Accounting at Institute level	30	30	
9.2.1	Adequacy of budget allocation	10	10	
9.2.2	Utilization of allocated funds	15	15	
9.2.3	Availability of the audited statement on the institute's website	05	05	
9.3	Library and Internet	20		
9.3.1	Quality of learning resources (hard / soft)	10	10	
9.3.2	Internet	10	10	
Total		100	100	

MULA EDUCATION SOCIETY'S
COLLEGE OF PHARMACY, SONAI
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Web. www.mespharmacy.org E-mail. mescopsonai@gmail.com
Dr. V.K. Deshmukh
Principal
Shri. Prashant Patil Gadakh
President

Ref. No. MES/COP/231/2021-22 Date : 30/11/2021

Declaration

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

I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines in force as on date and the institute shall fully abide by them.

It is submitted that information provided in this Self Assessment Report is factually correct. I understand and agree that an appropriate disciplinary action against the Institute will be initiated by the NBA in case any false statement/information is observed during pre-visit, visit, post-visit and subsequent to grant of accreditation.

Date: 30/11/2021.

Place: Sonai

DR. V. K. DESHMUKH
M.Pharm.PhD
PRINCIPAL
MES's College of Pharmacy, Sonai
Tal. Newasa, Dist. Ahmednagar (MH)

Approved by P.C.I. New Delhi Ref. No. : 17-1/2009-PCI/16440-543,AICTE: F.NO. 06 / 07 / MS / PHARM /2004 / 52.
Permanently Affiliated to Savitribai Phule Pune University, Pune and MSBTE, Mumbai.

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.