

SELF ASSESSMENT REPORT (SAR)

Submitted to



BY



MAHATMA GANDHI VIDYAMANDIR's

Pharmacy College, Mumbai Agra Road, Panchavati-422003

Dist: Nashik, Maharashtra.

Approved by AICTE and PCI, New Delhi

Recognized by: Director of Technical Education, Mumbai, Govt of Maharashtra

Permanently Affiliated to: Savitribai Phule Pune University, Pune (CPHN017660)

Application no.: 2690-02-01-2018

SAR Contents

Serial Code & Link to the Item	Item	Page No
PART A	Institutional Information	I-1 to I-5
PART B	Criteria Summary	I-6
	Program Level Criteria	
1	Vision, Mission, Program Educational Objectives	C1-1 to C1-37
2	Program Curriculum and Teaching – Learning Processes	C2-1 to C2-71
3	Course Outcomes and Program Outcomes	C3-1 to C3-71
4	Students' Performance	C4-1 to C4-18
5	Faculty Information and Contributions	C5-1 to C5-47
6	Facilities and Technical Support	C6-1 to C6-55
7	Continuous Improvement	C7-1 to C7-22
	Institute Level Criteria	
8	Student Support Systems	C8-1 to C8-50
9	Governance, Institutional Support and Financial Resources	C9-1 to C9-30
PART C	Declaration by the Institution	D1
	Annexure-I	A1-A2

PART A: Institutional Information

1. Name and Address of the Institution:

Mahatma Gandhi Vidyamandir's Pharmacy College
Mumbai-Agra Road, Panchavati, Nashik-422003
Ph:(0253)-2515620,2628201
Fax: (0253)- 2511931
Email: mgvpharmacycollege@gmail.com
Website: mgv.org.in/pharmapanchavati19/

2. Name and Address of the Affiliating University:

Savitribai Phule Pune University,
Ganeshkhind, Pune-07

3. Year of Establishment of the Institution: 1993

4. Type of the Institution

University	
Deemed University	
Autonomous	
Affiliated	√
Any Other (Please specify)	

5. Ownership Status

Central Government	
State Government	
Grant-in-Aid	
Self financing	√
Trust	
Society	
Section 25 Company	
Any Other (Please specify)	

Provide Details

Mahatma Gandhi Vidyamandir Trust was founded and established by Late Karmaveer Bhausaheb Hiray, on 2nd October 1952. He was a staunch freedom fighter and Ex- Revenue Minister of the then Bombay Province. He was the founder of two well known educational institutes in Nashik District namely “Adivasi Seva Samiti” in 1945 and “Mahatma Gandhi Vidyamandir” in 1952. He had established these institutes with an objective that good education alone can bring about intellectual awakening in the people with the devotional motto-BAHUIAN HITAY BAHUIAN SUKHAYA (benefit and happiness to one and all). His successor Late Vyankatraoji Hiray made MGV a temple of learning with a string of educational institutes. A humble beginning was made with great zeal, enthusiasm, dedication, sacrifice and spirit of service that helped us progress by leaps and bounds. The main source of development of the

organisation was assisted by the rich advice from Hon. Pushpatai Hiray, Chairperson of Mahatma Gandhi Vidyamandir, (Ex-minister in Maharashtra State Government). Their successor Hon. Dr. Prashant V. Hiray, General Secretary of Mahatma Gandhi Vidyamandir, Malegaon, Secretary of Adivasi Seva Samiti, Nashik, and Ex-Minister (Transport & Protocol), Government of Maharashtra, further nourished the trust by establishing professional colleges in the fields like Dental, Management, Pharmacy and Catering technology. All these institutes have made dynamic progress under his guidance and provide an inspiring academic ambience. Hon. Dr. Aapoorva Prashant Hiray, (MLC) Co-ordinator of Mahatma Gandhi Vidyamandir and Hon. Dr. Advay Prashant Hiray further ensured to inculcate in students a desire to gain knowledge and skills that can enrich their lives in future.

Hon. Mr. B. K. Deore Vice-Chairman of M.G.V; Hon. Sau. Smita Hiray, Treasurer of Mahatma Gandhi Vidyamandir Nashik and Adivasi Seva Samiti, Nashik; and Hon. Dr. V.S. More, Joint Secretary of Mahatma Gandhi Vidyamandir are mentors and always look for excellence in education.

Mahatma Gandhi Vidyamandir's Pharmacy College, Panchavati, Nashik was established in 1993 and is actively involved in enhancing the quality education in era of competitive globalization through dedicated efforts of all faculty members. We have D. Pharm, B. Pharm, M. Pharm (Pharmaceutics, Pharmacology, Pharmacognosy, Pharmaceutical Chemistry and Quality Assurance), Pharm D and Ph. D. courses. The Pharmacy college has been ISO 9001:2015 accredited in 2021-22.

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

Name of the Institution (s)	Year of Establishment	Programs of study	Location
MSG Arts, Science and Commerce college	1959	Arts, Science and Commerce	Malegaon, Nashik
LVH Arts, Science and Commerce college	1971	Arts, Science and Commerce	Panchavati, Nashik
KBH Law college	1971	Law	Malegaon, Nashik
MGV's IIPT	1972	D.Pharmacy	Panchavati, Nashik
Institute of Management and Research	1990	MBA	Malegaon, Nashik
KBH Dental College and Hospital	1991	BDS, MDS	Panchavati, Nashik
SPH Institute of HMCT	1992	D.HMCT,	Panchavati, Nashik
MGV's Pharmacy College	1993	B.Pharm, M.Pharm, Ph.D	Panchavati, Nashik
Institute of Management and Research	1994	MBA	Panchavati, Nashik
SPH College of HMCT	2001	B.HMCT	Panchavati, Nashik

SPH College of Pharmacy	2006	B.Pharm	Malegaon, Nashik
HHSS Muralidhara Swamiji College of Horticulture	2013	Horticulture	Malegaon, Nashik
HHSS Muralidhara Swamiji College of Agriculture	2014	Agriculture	Malegaon, Nashik
Institute of Pharmacy	2015	D.Pharm	Malegaon, Nashik
MGV's Samajshri Prashantdada Hiray Law College	2018	Law	Nashik
MGV's Arts, Science, Commerce College	2018	Arts, Science and commerce	Sinnar, Nashik
MGV's Smitatai Hiray Women's College of Arts, Science and Commerce	2018	Arts, Science and commerce	Nashik
Arts Science and Commerce College, Vinchur, Dalavi Tal-Sinnar, Dist- Nashik	2018	Arts, Science and Commerce	Sinnar, Nashik

There are 15 Professional Colleges, 07 Primary School units, 11 Granted Colleges, 31 Secondary School Units, 20 Junior College Units

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

Sl.No	Program Name	Year of start	Intake	Year of Increase	Increase in intake if any	AICTE approval	Accreditation status
1.	B.Pharmacy	1993	40	1994 2020	60 100	Yes	NBA accredited for 3 yrs (2019-22)
2.	M.Pharmacy- Pharmacology	2005	06	2006	10	Yes	--
3.	M.Pharmacy- Pharmachemistry	2006	10	--	--	Yes	--
4.	M.Pharmacy- Pharmacognosy	2006	08	--	--	Yes	--
5.	M.Pharmacy- Pharmaceutics	2008	10	--	--	Yes	--
6.	M.Pharmacy- Quality Assurance Techniques	2010	18	--	--	Yes	--
7.	PhD.	2007	--	--	--	--	--
8	Pharm D	2020	30	--	--	No	--

***Write applicable one:**

- Applying first time
- Granted provisional accreditation for two years for the period (specify period)
- **Granted accreditation for 3 years for the period (2019-2022)**
- Not accredited (specify visit dates, year) Withdrawn (specify visit dates, year)
- Not eligible for accreditation
- Eligible but not applied

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

S. No	Program Name
1.	B.Pharmacy

9. Total number of employees:**A.Regular*Faculty and Staff:**

Items		CAY(2021-22)		CAYm1(2020-21)		CAYm2(2019-20)	
		Min	Max	Min	Max	Min	Max
Faculty in Pharmacy	M	13	13	11	11	10	11
	F	09	09	08	08	09	09
Faculty in Sciences and Humanities	M	01	01	01	01	01	01
	F	00	00	00	00	00	00
Non-Teaching Staff	M	38	38	37	37	40	40
	F	09	09	07	07	07	07

*Note: Minimum 75% should be Regular/FullTime Faculty and the remaining shall be Contractual Faculty as per AICTE norms and standards

CAY: Current Assessment Year: 2021-22, CAYm1: (Current Assessment Year minus 1): 2020-21, CAYm2: (Current Assessment Year minus 2): 2019-20

B.Contractual Staff (not covered in Table A):

Items		CAY(2021-22)		CAYm1(2020-21)		CAYm2(2019-20)	
		Min	Max	Min	Max	Min	Max
Faculty in Pharmacy	M	00	00	01	01	01	01
	F	01	01	00	00	01	01
Faculty in Sciences and Humanities	M	01	01	00	00	00	00
	F	01	01	00	00	00	00
Non-Teaching Staff	M	00	00	00	00	00	00
	F	00	00	00	00	00	00

A. Total number of Pharmacy Students:**B.Pharm**

Student (B.Pharmacy)	Numbers	CAY(2021-22)	CAYm1(2020-21)	CAYm2(2019-20)
Total no. of boys		147	113	96
Total no. of girls		166	144	147
Total no. of students		313	257	243

M.Pharm

Student Numbers (M.Pharmacy)	CAY(2021-22)	CAYm1(2020-21)	CAYm2(2019-20)
Total no. of boys	32	33	38
Total no. of girls	75	68	55
Total no. of students	107	101	93

Ph.D

Student Numbers (Ph.D)	CAY(2021-22)	CAYm1(2020-21)	CAYm2(2019-20)
Total no. of male candidates	06	02	03
Total no. of female candidates	07	01	08
Total no. of students	13	03	11

Pharm.D

Student Numbers (Pharm.D)	CAY(2021-22)	CAYm1(2020-21)	CAYm2(2019-20)
Total no. of male candidates	08	10	--
Total no. of female candidates	22	18	--
Total no. of students	30	28	--

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:

“To be a centre of professional excellence by contributing honestly to the pharmacist moulding process”

12. Mission of the Institution:

- **Impart high quality education to graduates**
- **Contribute to all spheres of professional activities**
- **Uphold human values and ethics.**
- **Nurture them into globally competent professionals**

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

i. Name: Dr.R.S.Bhambar

Designation: Professor & Principal

Mobile No: 9822536992/7066031177

Email id: prin.nskpharmacycollege@mgvnasik.org

ii. Name: Dr. Mahalaxmi Mohan

Designation: Professor

Mobile No: 9731270123

Email id: mm_nasik@yahoo.co.in

PART B: Criteria Summary**Name of the program: B. Pharmacy**

Criteria No.	Criteria	Marks/Weightage
Program Level Criteria		
1.	Vision, Mission and Program Educational Objectives	50
2.	Program Curriculum and Teaching-Learning Processes	150
3.	Course Outcomes and Program Outcomes	100
4.	Students Performance	180
5.	Faculty information and Contributions	175
6.	Facilities	120
7.	Continuous Improvement	75
Institute Level Criteria		
8.	Student support systems	50
9.	Governance, Institutional support and Financial Resources	100
	Total	1000

NOTE: In the document wherever word ‘Semester’ has been used, same shall be read as ‘Semester or Annual’. The Institutions may use appropriately whichever is applicable to them.

Self Evaluation Report- B. Pharmacy course

Criteria No.	Criteria	Marks/ weightage (Pres)	Marks/ weightage (Inst)
Program Level Criteria			
1.	Vision, Mission and Program Educational Objectives	50	46
2.	Program Curriculum and Teaching-Learning Processes	150	118
3.	Course Outcomes and Program Outcomes	100	92
4.	Students Performance	180	148
5.	Faculty information and Contributions	175	125
6.	Facilities	120	112
7.	Continuous Improvement	75	56
Institute Level Criteria			
8.	Student support systems	50	40
9.	Governance, Institutional support and Financial Resources	100	85
	Total	1000	822

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

1.1. State the Vision and Mission (5)

(Vision statement typically indicates aspirations and Mission statement states the broad approach to achieve aspirations)

Vision: “To be a centre of professional excellence by contributing honestly to the pharmacist moulding process”.

Mission:

- **Impart high quality education to graduates**
- **Contribute to all spheres of professional activities**
- **Uphold human values and ethics.**
- **Nurture them into globally competent professionals**

The mission statement mentioned above is a concise statement which is further elaborated taking into view of all the programs offered by the institute.

M1-Education: To provide high quality education and training to students and develop them into competent professionals.

M2- Professional: To create extension and awareness programs in the field of Pharmacy and undertake collaborative work which offer opportunities for long term interaction with stakeholders.

M3- Values and Ethics: To be an institution of recognition that nurtures values, talent and develops human potential to its fullest in the most ethical way.

M4- Commitment: To develop knowledge, intellectual skills, and dispositions that support responsible commitment to sustainable development, human rights and well being; thereby reflecting a true global citizen.

A few important keywords are identified and defined to formulate the Programme Educational Objectives (PEOs)

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

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

PEO1- Learning: To generate graduates who would demonstrate sustained learning and put knowledge to work on a large scale with excellence for the benefit of society.

PEO2- Core-competence: To create graduates who would strive to disseminate research findings and deal with issues by applying professional skills that would mould them into a globally competent professional.

PEO3- Teamwork: To engage graduates in professional ethical practices in a multidisciplinary environment, while contributing to organization through leadership and building team spirit.

PEO4- Sincerity: To groom graduates honestly in all spheres of multidisciplinary professional activities in the right spirit, intellect and deeds.

1.3. Indicate where and how the Vision, Mission and PEOs are published and disseminated among stakeholders (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, supporting staff, students etc. and external stakeholders may include employers, industry, alumni, funding agencies, etc.)

All stakeholders namely students, faculty, parents, industry, regulating authorities, alumni, management, etc. are linked to the professional growth of the institute over a period of time.

Internal stake holders

Management (including Governing Body and College Development Committee members):

The main focus of the management is to impart quality based education to the students. This is achieved by providing necessary infrastructure and qualified faculty members. The management also takes care that the students are groomed in an environment where in their attitude, behavior and skills are nurtured. Sophisticated equipments are made available and the latest developments are familiarized to the students.

Faculty: The faculty members of the department are one of the key stake holders trained to provide the best professional education to the students. They also propose in designing course outcomes, suggest for improvements in the curriculum, and implement any changes. The faculty members continually interact with other stakeholders, allowing for the opportunities for continuous improvement via formal and in-formal feedback process.

Supporting staff: The nonteaching staff (technical and administrative) extends cooperation and support for achieving the PEOs. These are also ground level employees, who understand the needs and accordingly make arrangement at the laboratory level, in-terms of issuing of chemicals and glass wares, preparing reagents as well as maintenance of equipment and looking into the cleanliness of lab.

Students: Students are the direct core beneficiary stake holders. Students look upon quality environment at the college, which includes necessary infrastructure, qualified faculty and conducive learning environment. The new ways of teaching-learning process using ICT enhance their capabilities with value addition. Students expect that their qualifications are recognized for employment and be placed in reputed industries and Govt. organizations or secure admission into best educational institution, if opted for higher education or prepare one for career of own choice.

External stake holders

Industry/Employers: Feedback report or suggestions from employers play a vital role in the formulation and review of the PEOs. They give us early indications of changes or new trends in the profession and give their opinions on the needs and direction of growth of the college. The information is gathered from employers using both formal surveys and informal interactions.

Alumni: The alumni provide vital inputs for drafting and reviewing our PEOs. They provide advice and the right direction to the current students, and prepare them for what they have to do for succeeding in their careers.

Affiliating university: The college is affiliated to SPPU. The university is a body that monitors the academic programmes and approves the award of degree. Therefore, the programme objectives and outcomes of the college should match with that of the university. The University has a separate Board of Development (BOD) cell which provides grants for research for Staff, allots budget for purchase of equipment and also provides opportunity to students to participate in Research competition through-Avishkar. Apart from this the Board of Student Development (BSD) of the university appoints a representative member , the student development officer (SDO) who actively works for the co-curricular growth of the students through many schemes

which benefit the students like Fearless Girl Campaign, Karmaveer Bhaurao Patil Earn and Learn Scheme, Personality Development, Special Lecture on IPR and Patent Technology and NSS.

Professional bodies: Professional bodies like IPA, APTI periodically express the status of industry, which are noted and utilized during formulating or reviewing the PEOs. They also provide views about the college.

The Vision and Mission statements and PEOs are published and disseminated through the following methods.

Print Media: College brochure, College magazine, Teachers annual academic diary, attendance record, Student journals, Feedback forms, Official college mail.

Electronic Media: College website(<http://www.mgv.org.in/pharmapanchavati19/>), FLYERS, e-mail of staff, PPTs presented by students and faculty.

Display Boards: Flexi-boards, Permanent boards.

Direct Communication: Induction programmes to freshers, Parents meeting, In-house meetings, seminars, workshop and conferences and online programs..

Vision and Mission (V & M) is disseminated to all the internal and external stakeholders of the program through faculty meetings, seminars, workshops and student and staff induction programs and during parents meeting.

1. The V, M and PEOs are informed to students of each year and explained their importance and the objectives to be achieved.
2. The PEOs are circulated to the faculty, supporting staff and sought the opinion about the commission and omission of the objectives.
3. The V, M and PEOs are circulated and informed to parents during orientation program and when they visit the college.
4. The V, M and PEOs are circulated to the fellow pharmacy professionals and sought the opinion about the objectives.
5. The V, M and PEOs are circulated and informed to the management.

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

(Articulate the process for defining the vision, mission and PEOs of the program.)

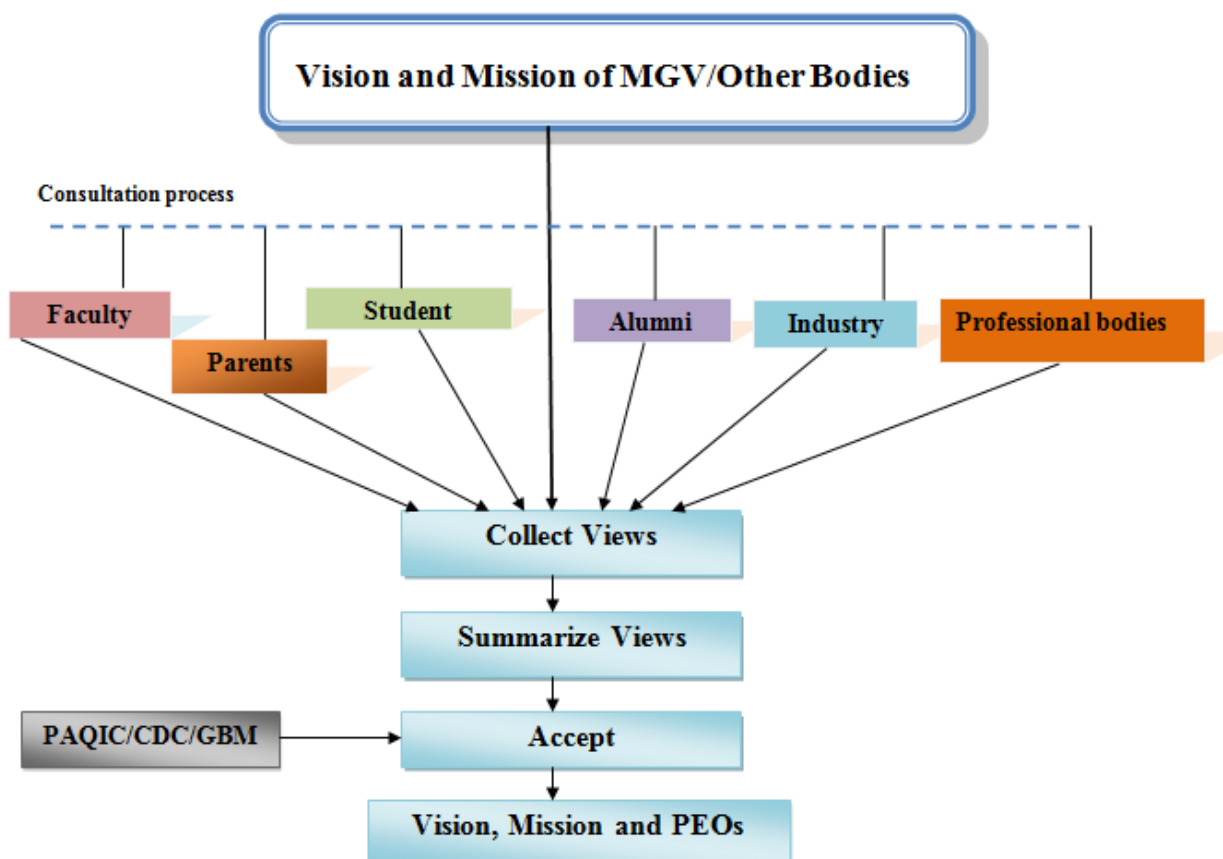
The vision and mission and PEO of the program was established through a consultative process involving the internal and external stakeholders of the program, keeping in mind the future scope and societal requirements of the program.

Step I: A review of vision and mission of various bodies like NEP-2020, SPPU, UGC, DTE, PCI and AICTE was undertaken.

Step II: Vision and Mission of the trust were taken as origin. A rough draft of vision and mission are initially prepared by the co-ordinator and the Principal of college. They were subjected to discussion amongst the HODs/staff for further amendments. The vision and mission of the institute is also drawn and given a shape from the earlier vision and mission statement of the institute, views tabled by SWOT analysis reports, stakeholders such as governing body, industry, parents and students about the program. Finally it is tabled for final discussion at the College Development committee (CDC) meeting and widely circulated and publicized.

Step III: The accepted views were discussed, analysed, modified, reviewed to frame the PEOs

Step IV: A version of Vision and Mission in local language (Marathi) was also prepared and displayed.



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

(Generate a “Mission of the Institute – PEOs matrix” with justification and rationale of mapping)

PEO Statements	M1 (Education)	M2 (Professional)	M3 (Values and Ethics)	M4 (Commitment)
PEO1 (Learning)	3	3	3	2
PEO2 (Core competence)	3	3	2	2
PEO3 (Teamwork)	2	3	3	3
PEO4 (Sincerity)	2	3	3	2

Note: M1, M2, ..., Mn are distinct elements of Mission statement. Enter correlation levels 1, 2 or 3 as defined below: 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)
If there is no correlation, put “-”

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

The PEOs are consistent with the vision of the college. The PEOs reflect the expected accomplishments of the graduates, a few years after their graduation. These objectives are consistent with the MGVC mission statement.

Justification:

PEO1(Learning) is highly consistent with all mission components. It is justified through efficient theory/tutorial and practical sessions, mini projects, SPPU results, e-guest lectures, conferences, workshops, industry-institute interactions.

PEO2 (Core Competence) is also consistent with all mission components. It is justified through skill development initiatives, co-curricular activities such as participation in startup innovation activities, Quiz competitions, intercollege competitions, hospital-industrial tours and training, conference presentations and mini research projects.

PEO3 (Team work) is also consistent with all the mission components. It is justified through students arranging small college functions such as Freshers party, Ganpathi Utsav, College Fests, participation in NPW events, Intercollege events, Inhouse events where they work in a team and develop their leadership skills in the most professional and ethical way.

PEO4 (Sincerity) is also consistent with all the mission statements. It is justified through following the principles of Life skills (Jeeval kaushal), arranging guest lectures on UHV and adopting it in all facets of life in order to develop it into life long learning skills.

For assessment of Vision and Mission statements various surveys involving stakeholders were carried out by calculating the observed levels of attainment of PEOs: Alumni survey, Employer survey, Faculty survey, Management survey, Professional Body and through Placement and Higher study record and via course results.

Expected Level of Attainment of PEOs:

Program Educational Objectives (PEOs)	Expected Level of Attainment (Target)
Learning	85%
Core-competence	80%
Team Work	80%
Sincerity	75%

Attainment of PEO 1: Learning, PEO 2: Core competence, PEO 3: Teamwork

The analysis is carried out by assigning weightage to percentage as follows:

Very good: 4, Good: 3, Average: 2, Satisfactory: 1 (4= 100%)

Questions pertaining to Program Educational Objectives

Program Educational Objectives	Very little	Some extent	Quite a bit	Very much
	1	2	3	4
1. Do you feel that the knowledge gathered by you during the graduation years have provided you with the required skills to successfully work in your organization?				
2. Has the course provided you to identify or solve complex system process and problems by applying skills and fundamental principles to develop you into a competent professional?				
3. Has the college helped you to develop your leadership qualities in order to manage projects in a multidisciplinary environment in the most professional way?				
4. Has the college helped you to groom in all spheres of multidisciplinary professional activities in the right spirit, intellect and deeds?				

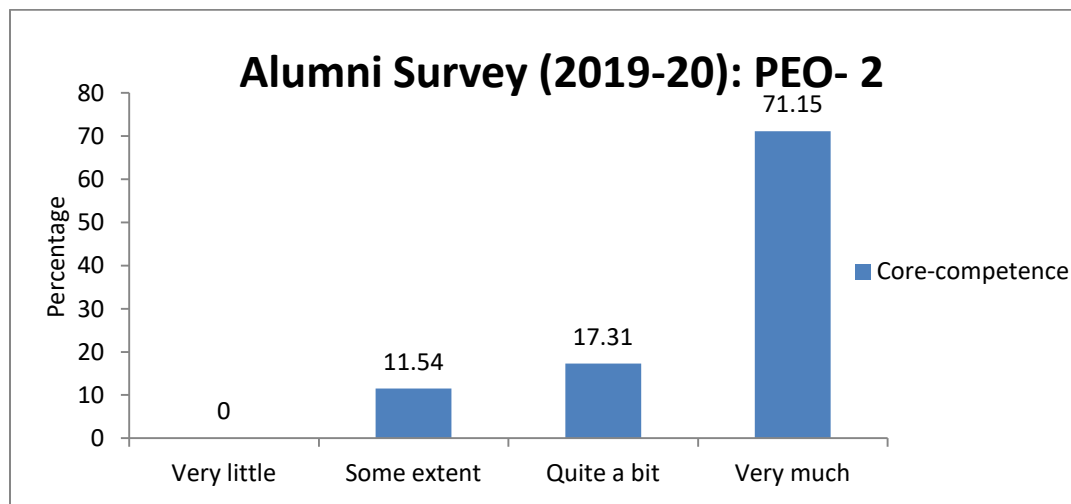
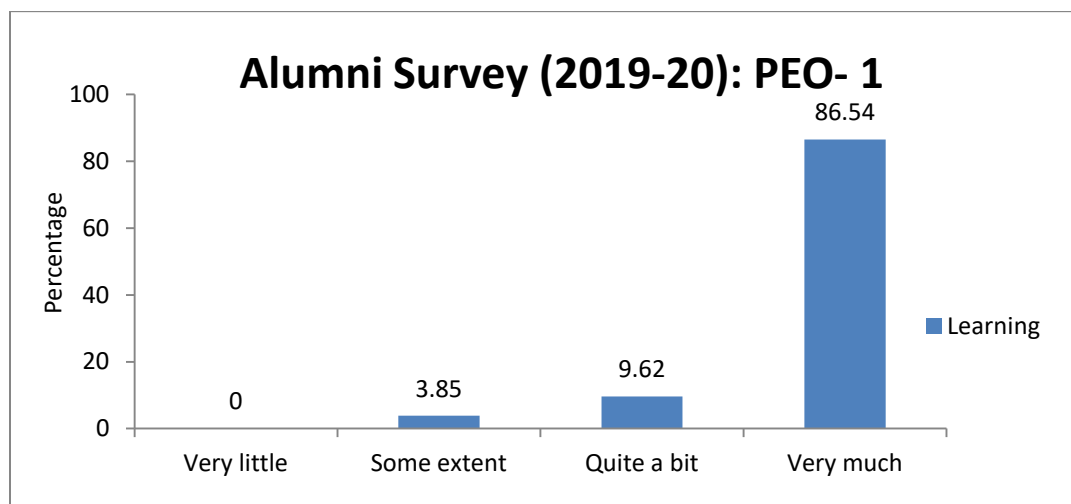
I. Mapping through Alumni (N=52)***CAY m1 (2019-20)***

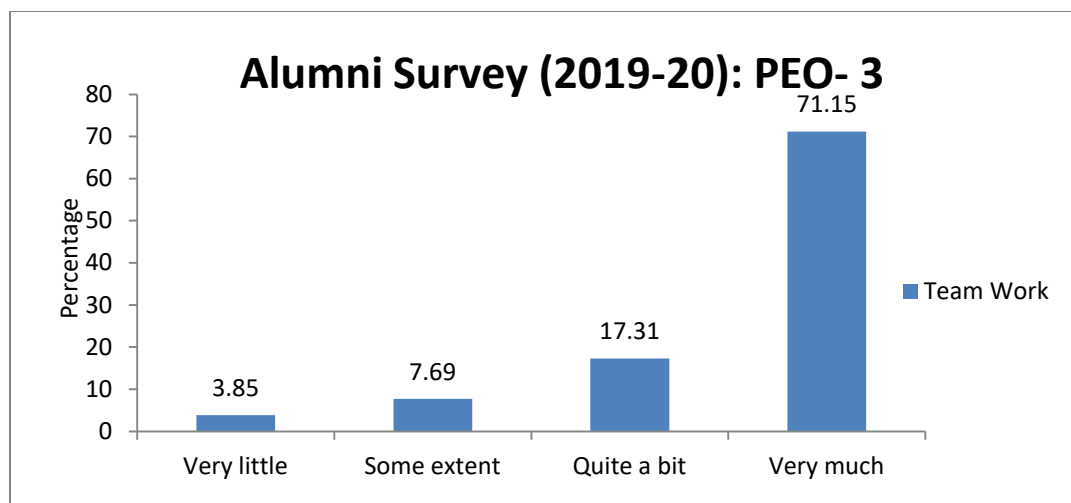
PEO-1: $86.54 \times 4 + 9.62 \times 3 + 3.85 \times 2 + 0 \times 1 = 382.72/100 = 3.83 = 95.68 \%$

PEO-2: $71.15 \times 4 + 17.31 \times 3 + 11.54 \times 2 + 0 \times 1 = 359.61/100 = 3.60 = 89.90 \%$

PEO-3: $71.15 \times 4 + 17.31 \times 3 + 7.69 \times 2 + 3.85 \times 1 = 355.76/100 = 3.56 = 88.94 \%$

Average = 3.66 = 91.51%





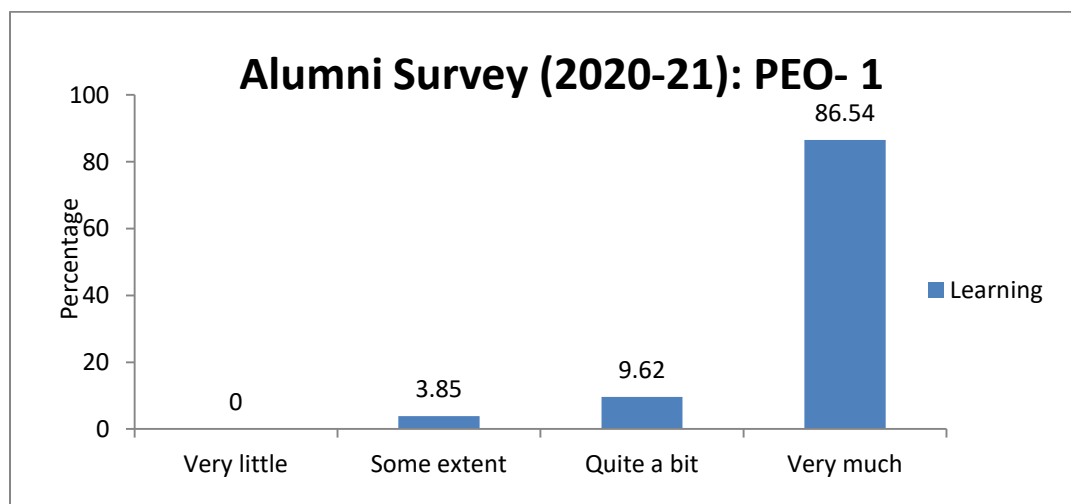
CAY m1 (2020-21)

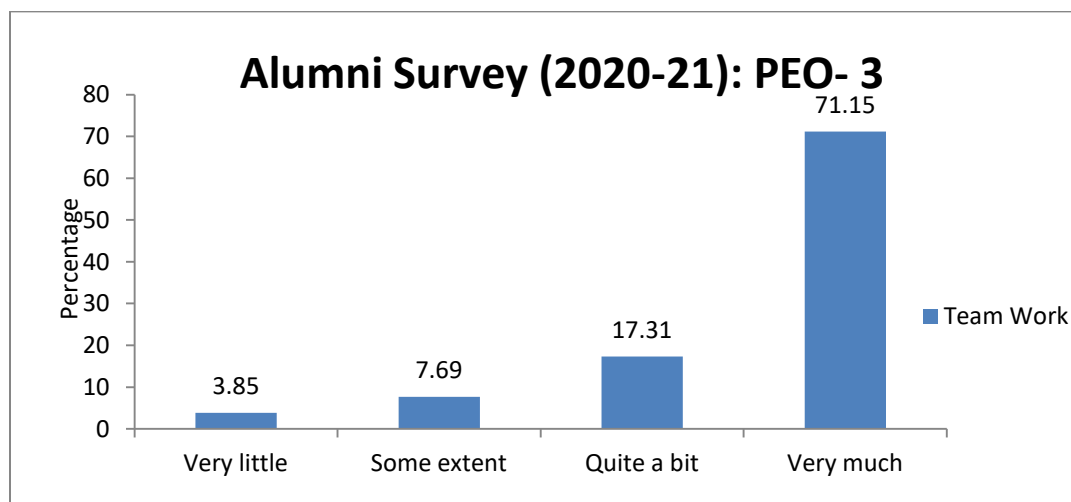
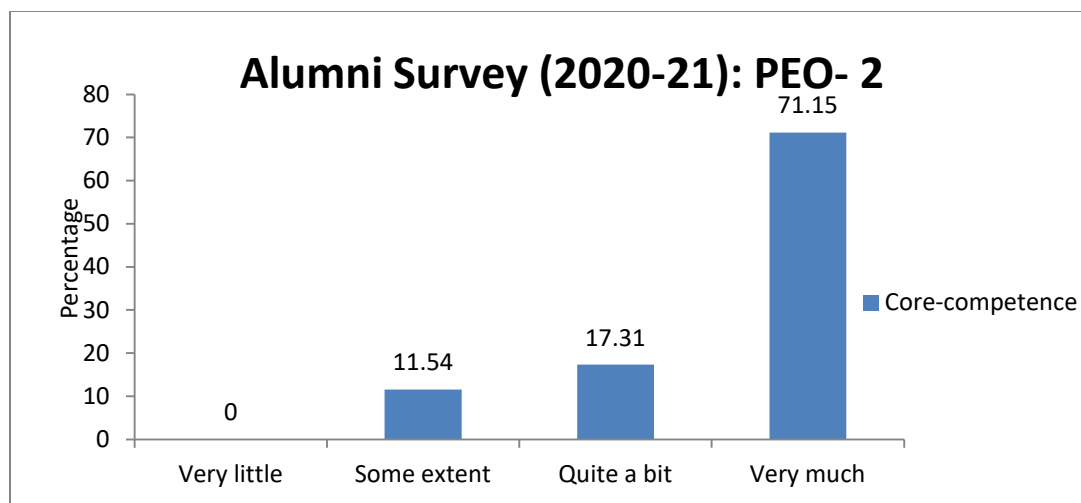
PEO-1: $86.54 \times 4 + 9.62 \times 3 + 3.85 \times 2 + 0 \times 1 = 382.72/100 = 3.83 = 95.68 \%$

PEO-2: $71.15 \times 4 + 17.31 \times 3 + 11.54 \times 2 + 0 \times 1 = 359.61/100 = 3.60 = 89.90 \%$

PEO-3: $71.15 \times 4 + 17.31 \times 3 + 7.69 \times 2 + 3.85 \times 1 = 355.76/100 = 3.56 = 88.94 \%$

Average = $3.66 = 91.51\%$





CAY (2021-22)

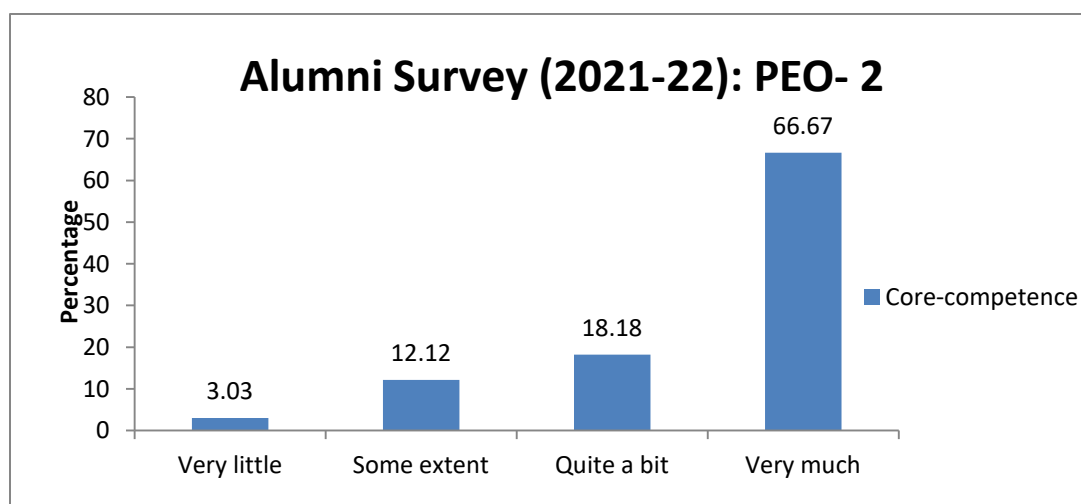
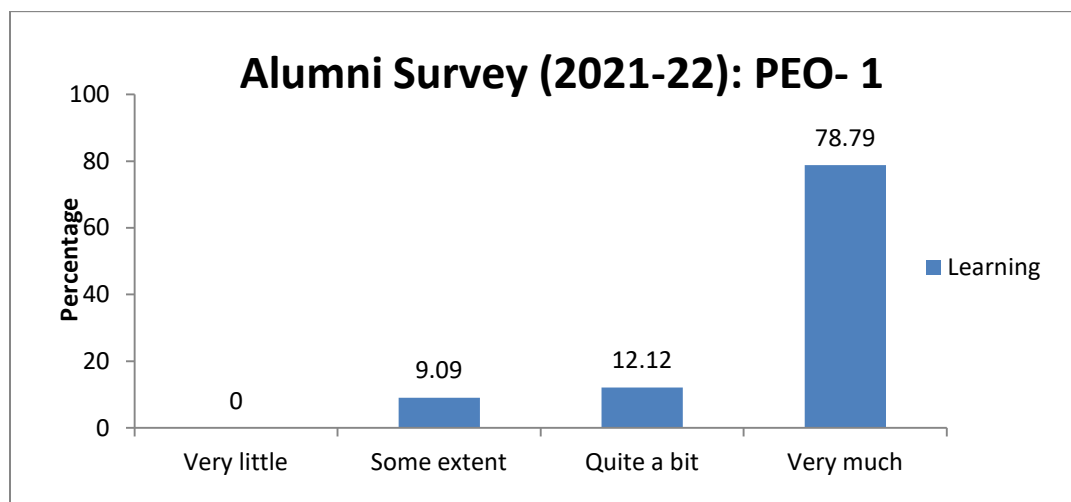
PEO-1: $78.79 \times 4 + 12.12 \times 3 + 9.09 \times 2 + 0 \times 1 = 369.7/100 = 3.70 = 92.43 \%$

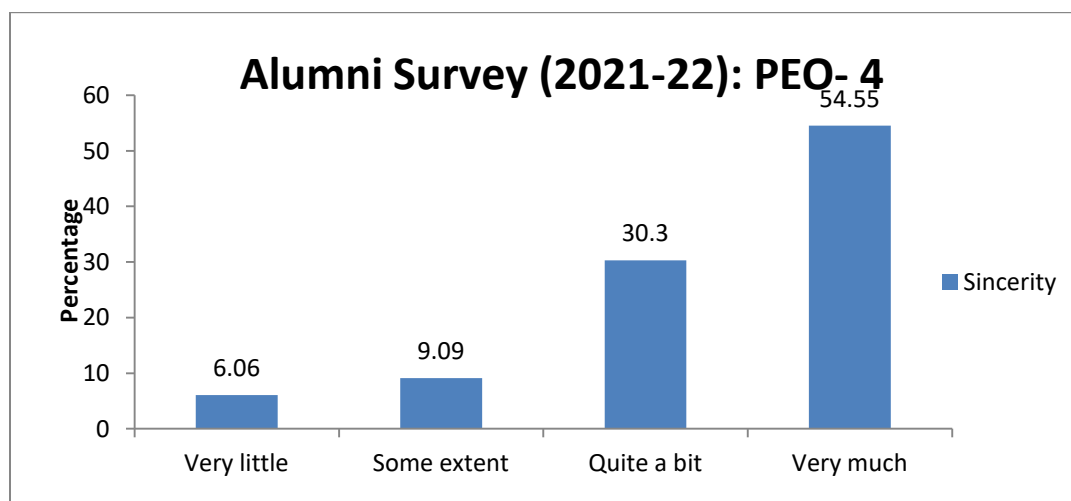
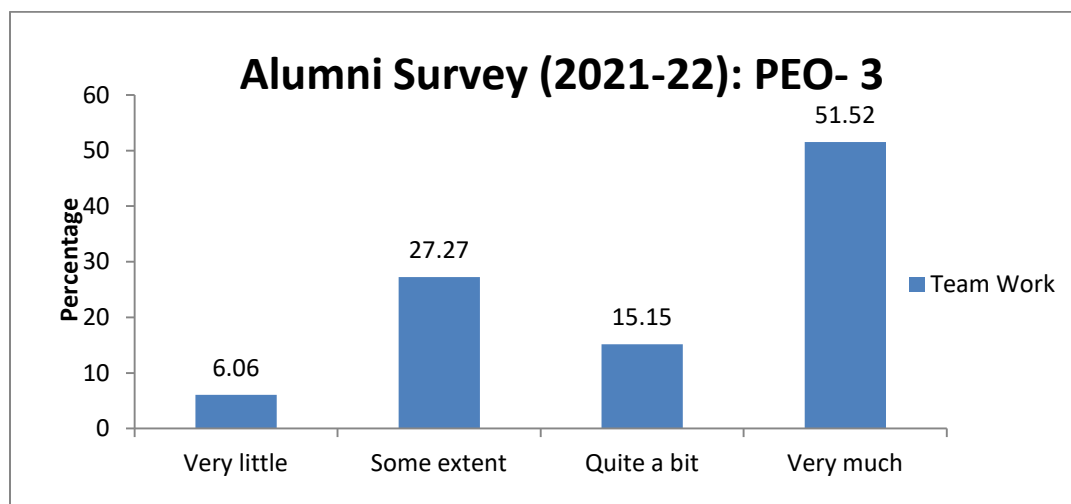
PEO-2: $66.67 \times 4 + 18.18 \times 3 + 12.12 \times 2 + 3.03 \times 1 = 348.49/100 = 3.48 = 87.12 \%$

PEO-3: $51.52 \times 4 + 15.15 \times 3 + 27.27 \times 2 + 6.06 \times 1 = 312.13/100 = 3.12 = 78.03 \%$

PEO-4: $54.55 \times 4 + 30.30 \times 3 + 9.09 \times 2 + 6.06 \times 1 = 333.34/100 = 3.33 = 83.34 \%$

Average = 3.41 = 85.23%





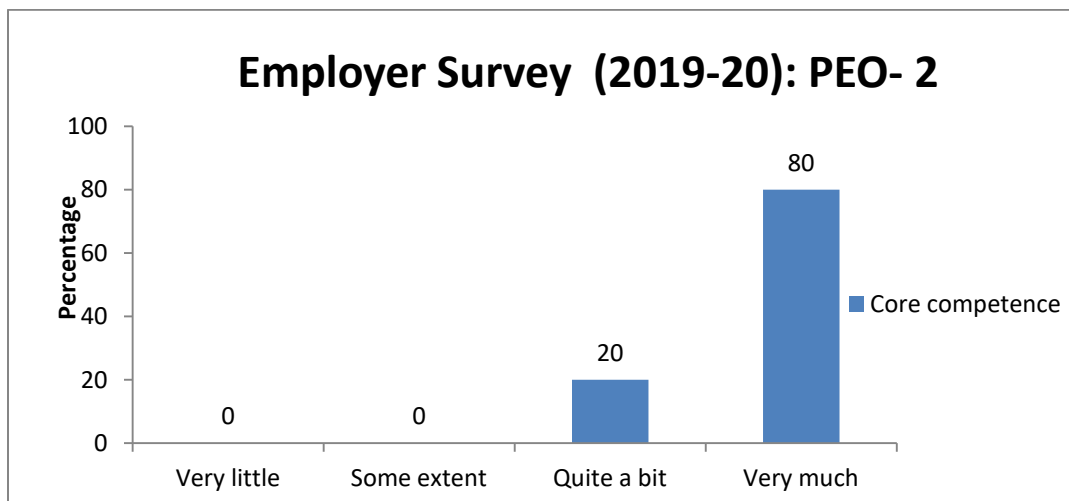
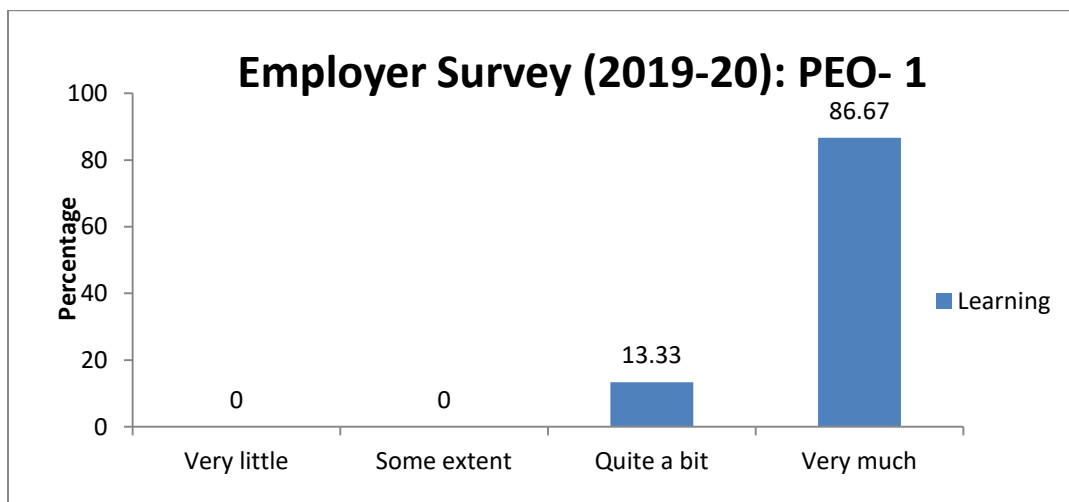
II. Mapping through Employer (N=15)***CAY (2019-20)***

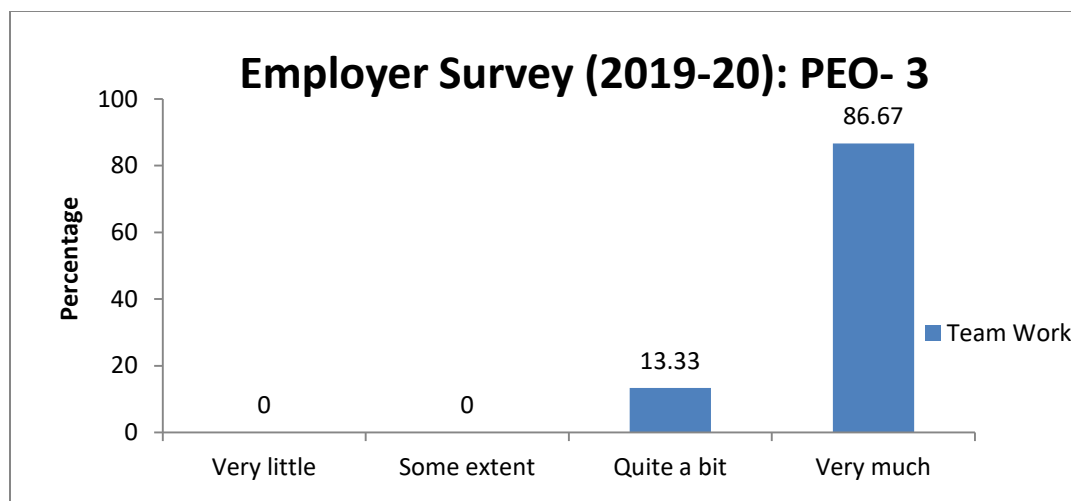
PEO-1: $86.67 \times 4 + 13.33 \times 3 + 00 \times 2 + 00 \times 1 = 386.67/100 = 3.87 = 96.67 \%$

PEO-2: $80 \times 4 + 20 \times 3 + 00 \times 2 + 00 \times 1 = 380/100 = 3.8 = 95.00 \%$

PEO-3: $86.67 \times 4 + 13.33 \times 3 + 00 \times 2 + 00 \times 1 = 386.67/100 = 3.87 = 96.67 \%$

Average = $3.85 = 96.11\%$





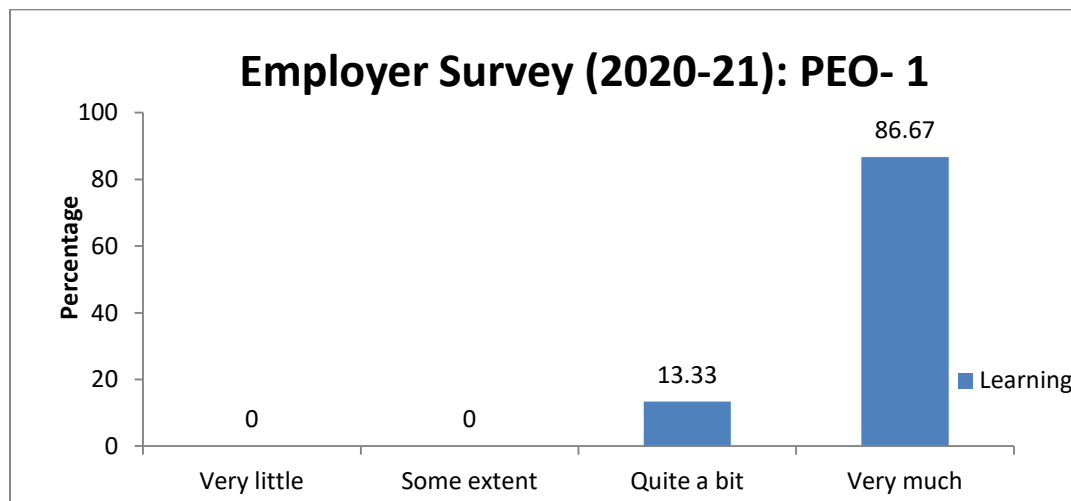
CAY (2020-21)

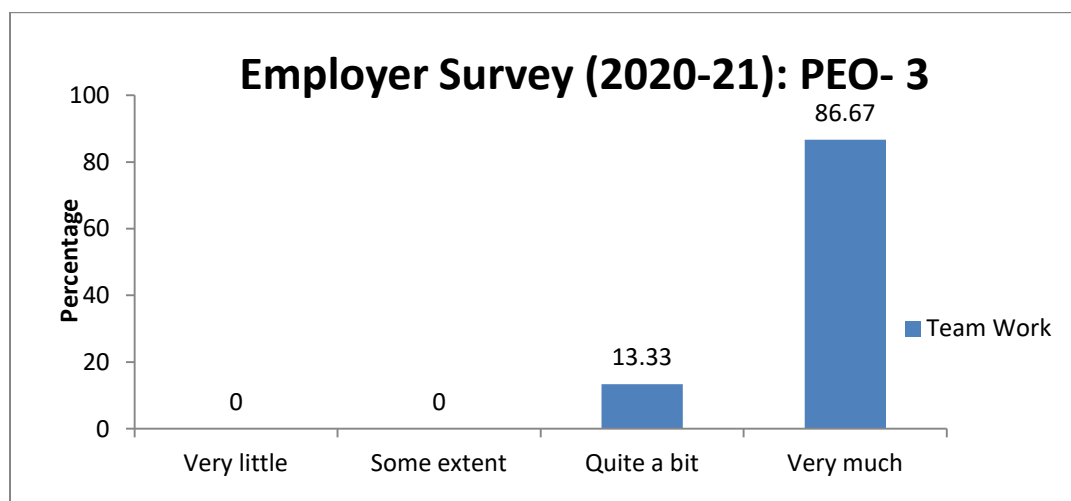
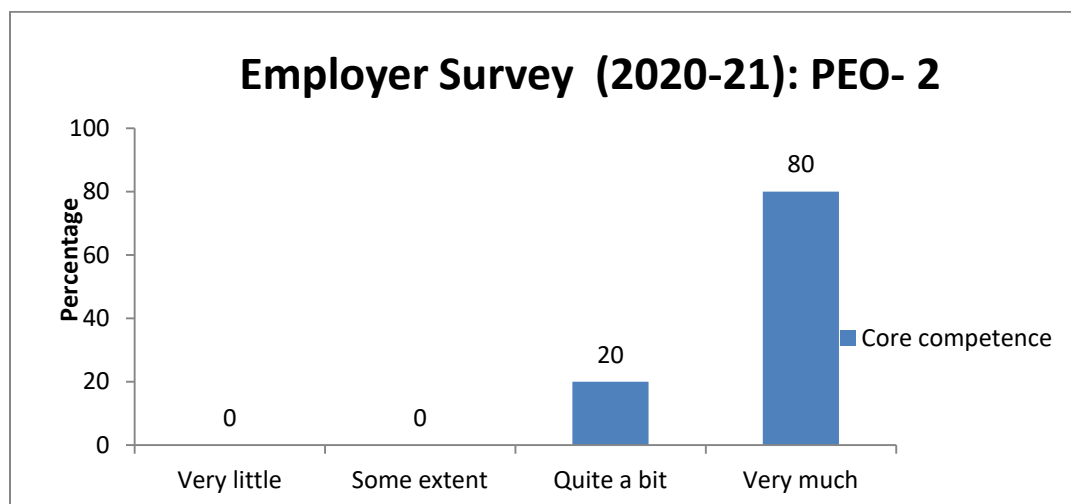
PEO-1: $86.67 \times 4 + 13.33 \times 3 + 00 \times 2 + 00 \times 1 = 386.67/100 = 3.87 = 96.67 \%$

PEO-2: $80 \times 4 + 20 \times 3 + 00 \times 2 + 00 \times 1 = 380/100 = 3.8 = 95.00 \%$

PEO-3: $86.67 \times 4 + 13.33 \times 3 + 00 \times 2 + 00 \times 1 = 386.67/100 = 3.87 = 96.67 \%$

Average = $3.85 = 96.11\%$





CAY (2021-22)

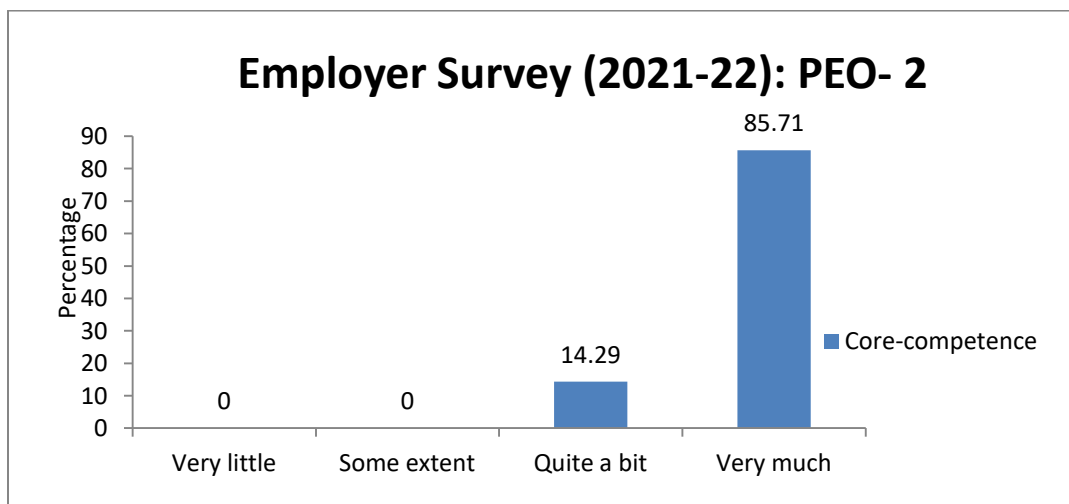
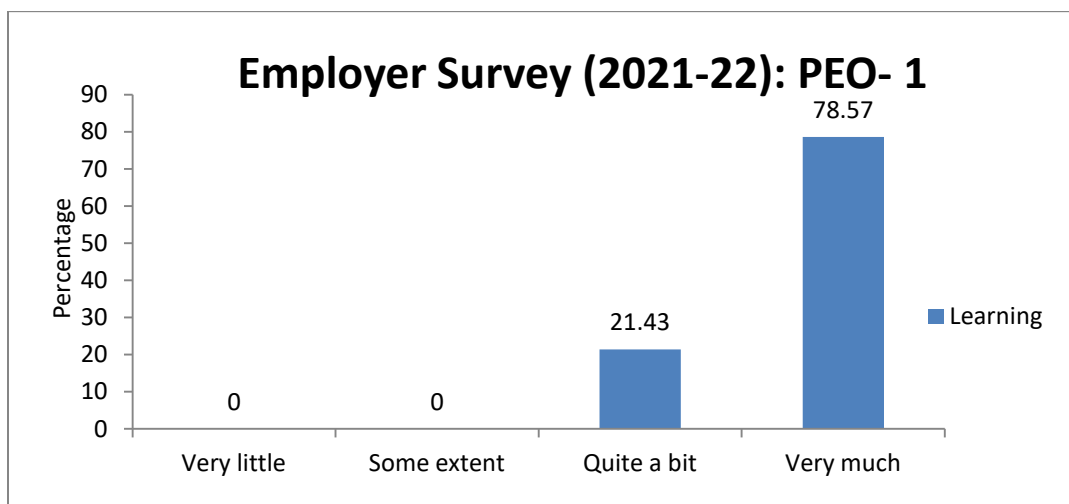
PEO-1: $78.57 \times 4 + 21.43 \times 3 + 00 \times 2 + 0 \times 1 = 378.57/100 = 3.79 = 94.64 \%$

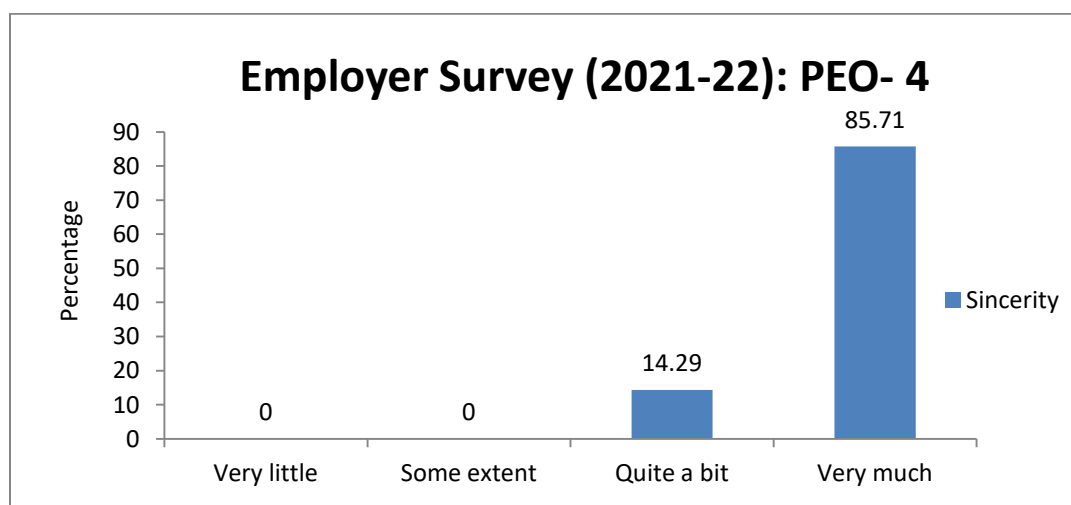
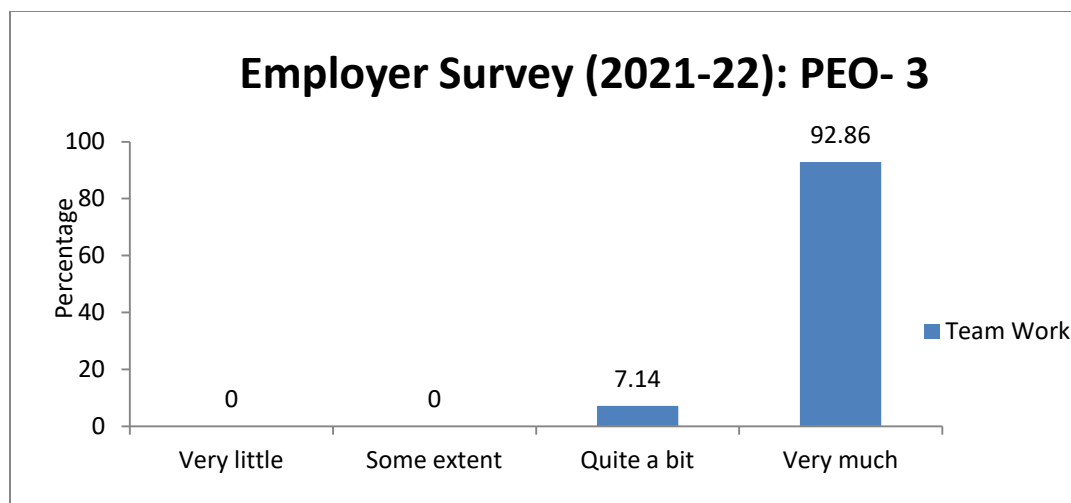
PEO-2: $85.71 \times 4 + 14.29 \times 3 + 00 \times 2 + 0 \times 1 = 385.71/100 = 3.86 = 96.43 \%$

PEO-3: $92.86 \times 4 + 7.14 \times 3 + 00 \times 2 + 00 \times 1 = 392.86/100 = 3.93 = 98.22 \%$

PEO-4: $85.71 \times 4 + 14.29 \times 3 + 00 \times 2 + 00 \times 1 = 385.71/100 = 3.86 = 96.43 \%$

Average = $3.86 = 96.43\%$





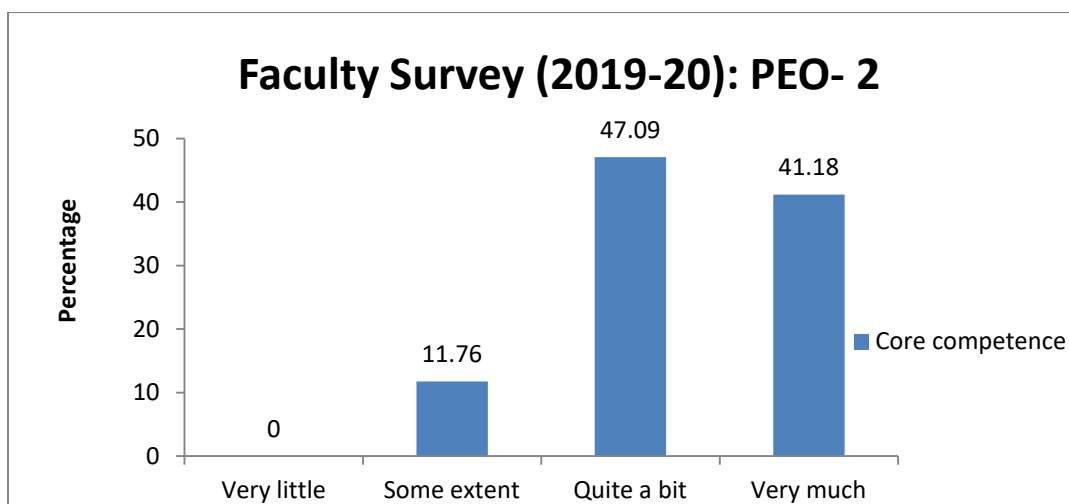
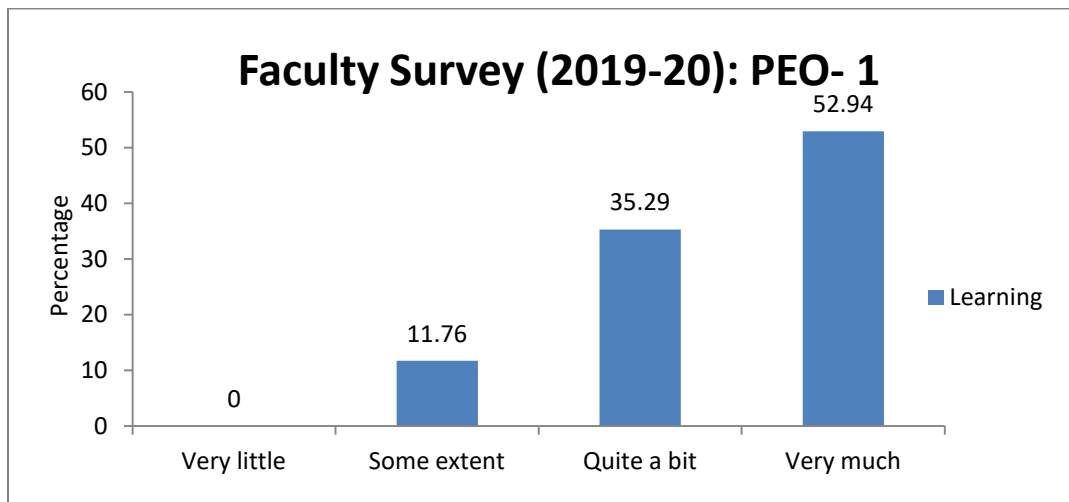
III. Mapping through Faculty survey (N=23)***CAY (2019-20)***

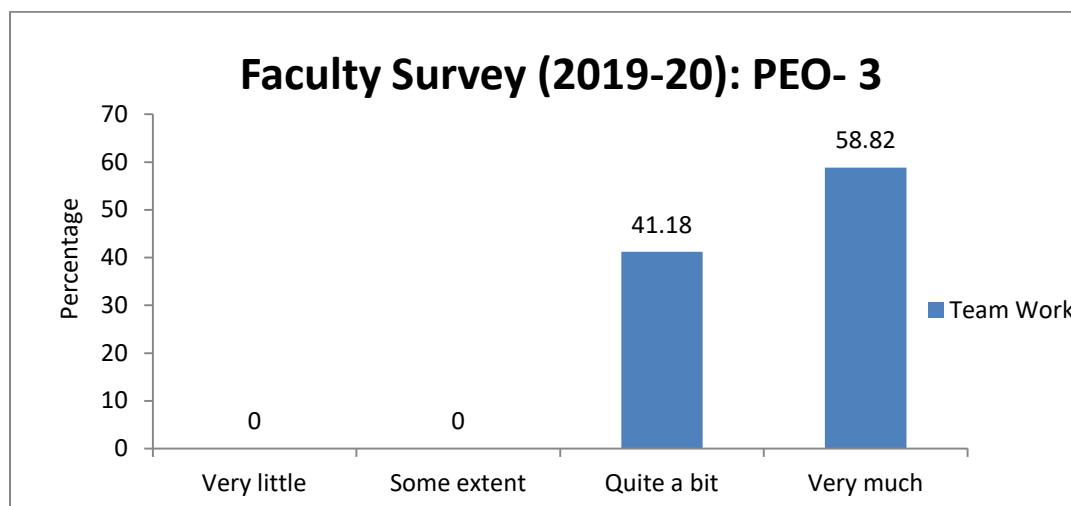
PEO-1: $52.94 \times 4 + 35.29 \times 3 + 11.76 \times 2 + 0 \times 1 = 341/100 = 3.41 = 78.5 \%$

PEO-2: $41.18 \times 4 + 47.06 \times 3 + 11.76 \times 2 + 0 \times 1 = 329.42/100 = 3.29 = 82.36 \%$

PEO-3: $58.82 \times 4 + 41.18 \times 3 + 0 \times 2 + 0 \times 1 = 358.82/100 = 3.59 = 89.71$

Average = 3.43 = 83.52%





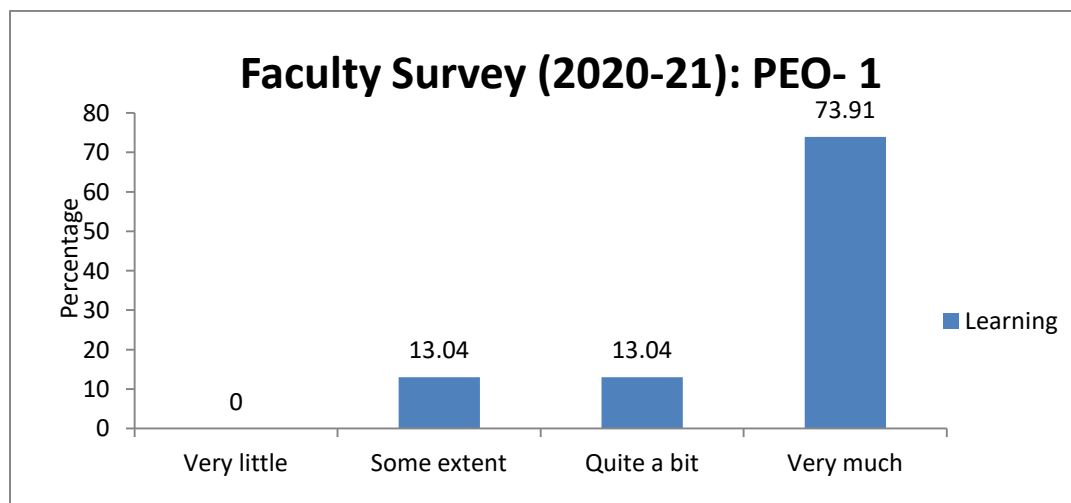
CAY (2020-21)

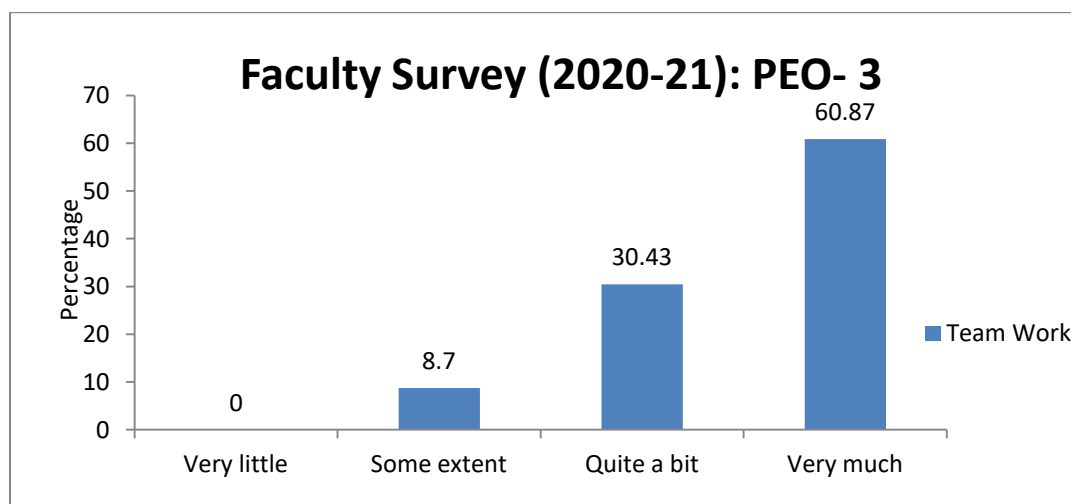
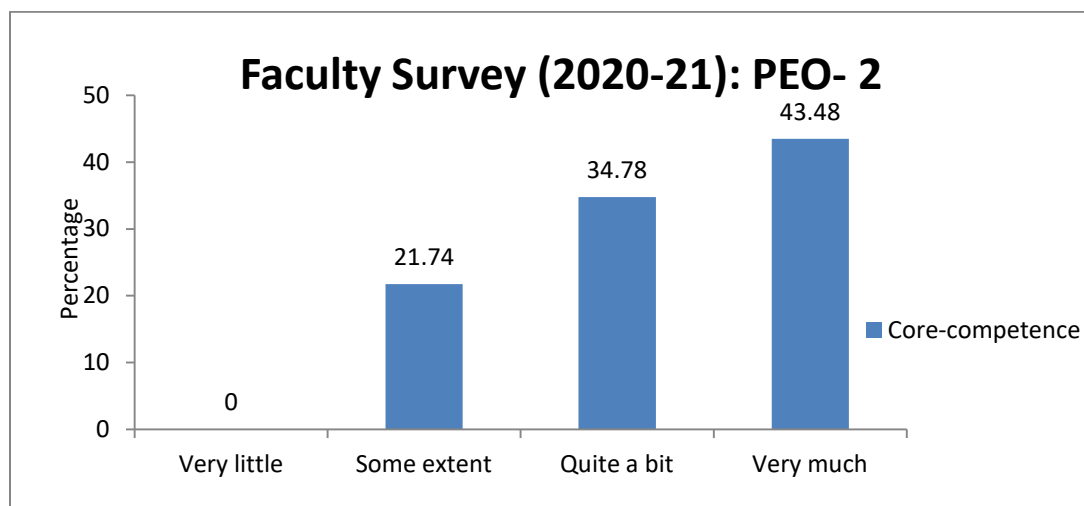
PEO-1: $73.91 \times 4 + 13.04 \times 3 + 13.04 \times 2 + 0 \times 1 = 360.84/100 = 3.61 = 90.21 \%$

PEO-2: $43.48 \times 4 + 34.78 \times 3 + 21.47 \times 2 + 0 \times 1 = 321.74/100 = 3.22 = 80.44 \%$

PEO-3: $60.87 \times 4 + 30.43 \times 3 + 8.70 \times 2 + 0 \times 1 = 352.17/100 = 3.52 = 88.04 \%$

Average = $3.45 = 86.23\%$





CAY (2021-22)

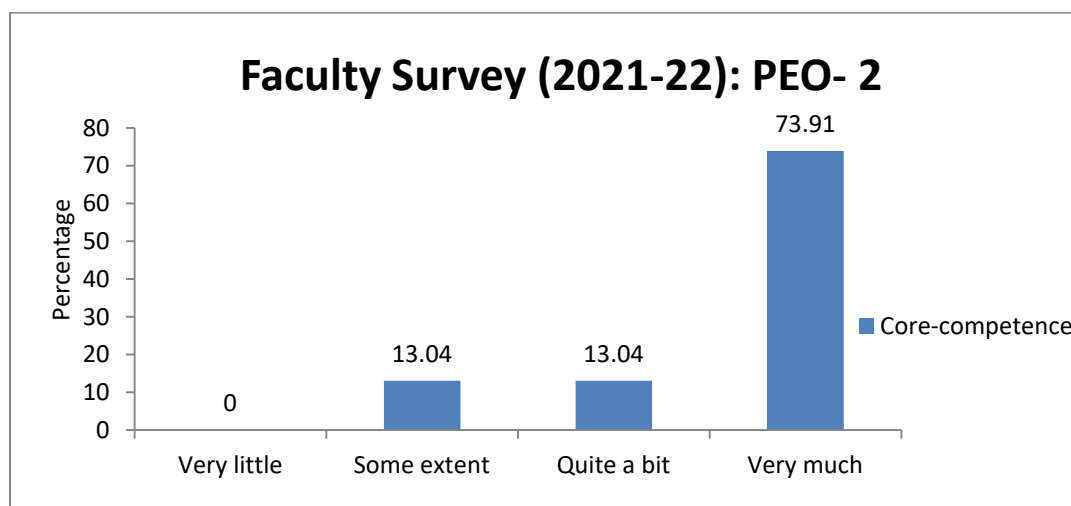
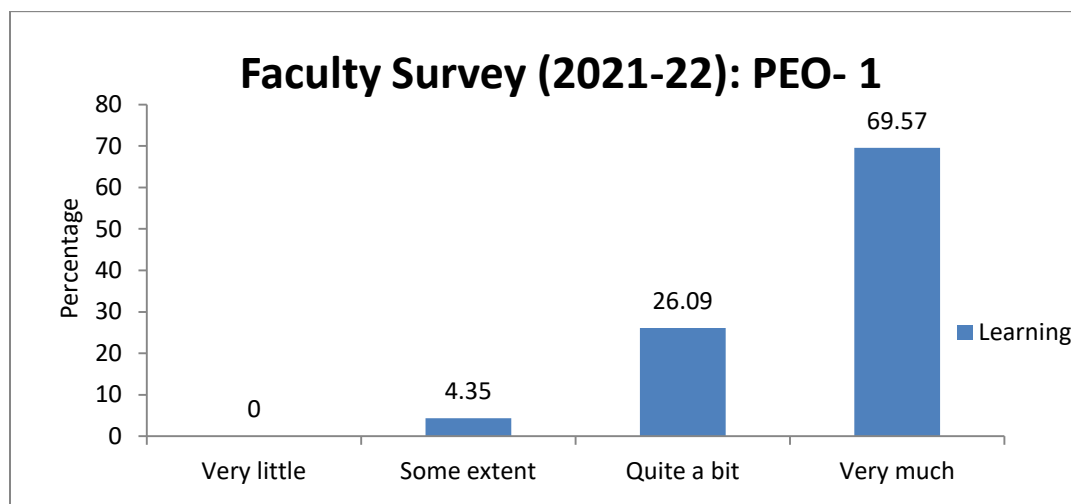
PEO-1: $69.57 \times 4 + 26.09 \times 3 + 4.35 \times 2 + 0 \times 1 = 365.25/100 = 3.65 = 91.31 \%$

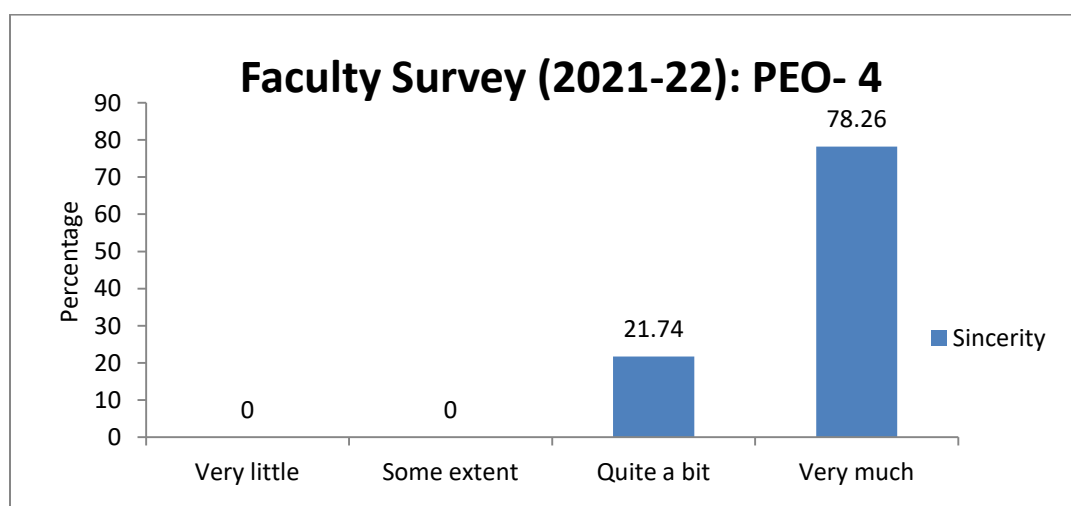
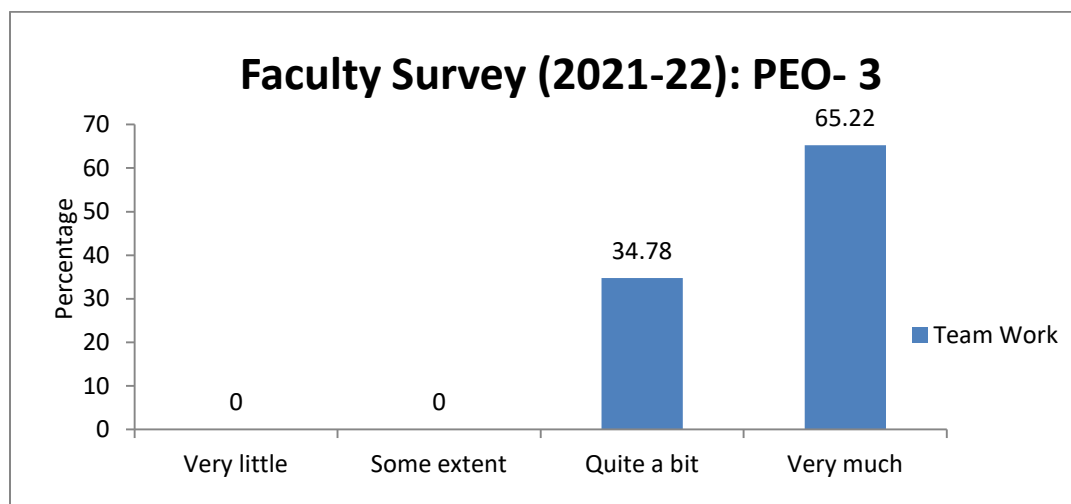
PEO-2: $69.57 \times 4 + 26.09 \times 3 + 4.35 \times 2 + 0 \times 1 = 365.25/100 = 3.65 = 91.31 \%$

PEO-3: $65.22 \times 4 + 34.78 \times 3 + 0 \times 2 + 0 \times 1 = 365.22/100 = 3.65 = 91.31 \%$

PEO-4: $78.26 \times 4 + 21.74 \times 3 + 0 \times 2 + 0 \times 1 = 378.26/100 = 3.78 = 94.57 \%$

Average = $3.68 = 92.13\%$





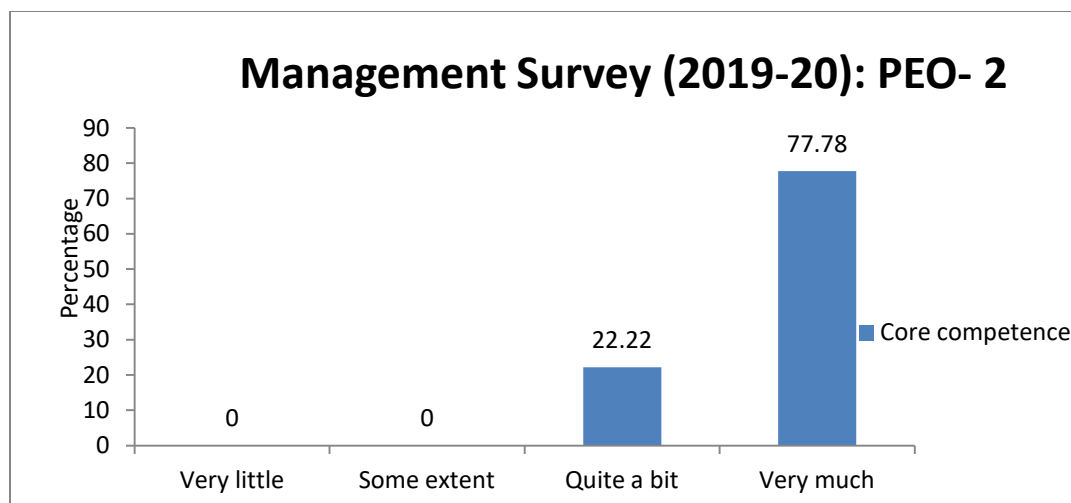
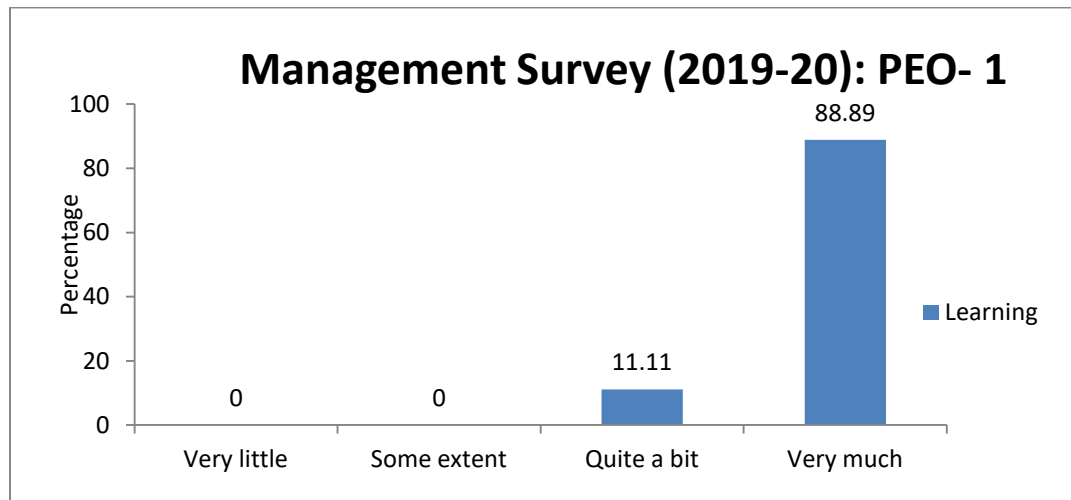
IV. Mapping through Management (N=12)***CAY (2019-20)***

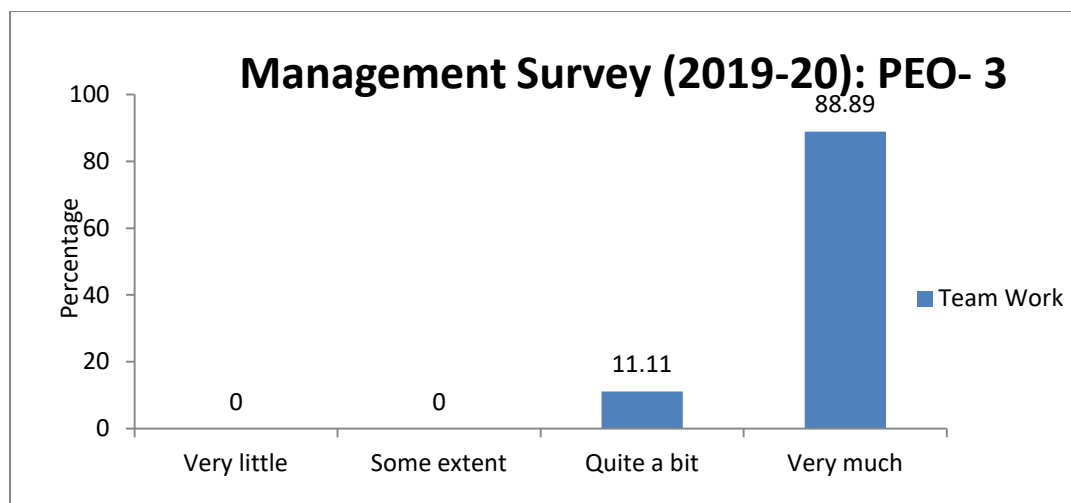
PEO-1: $88.89 \times 4 + 11.11 \times 3 + 00 \times 2 + 00 \times 1 = 388.89/100 = 3.89 = 97.22 \%$

PEO-2: $77.78 \times 4 + 22.22 \times 3 + 00 \times 2 + 00 \times 1 = 377.78/100 = 3.78 = 94.45 \%$

PEO-3: $88.89 \times 4 + 11.11 \times 3 + 00 \times 2 + 00 \times 1 = 388.89/100 = 3.89 = 97.22 \%$

Average = 3.85 = 96.30%





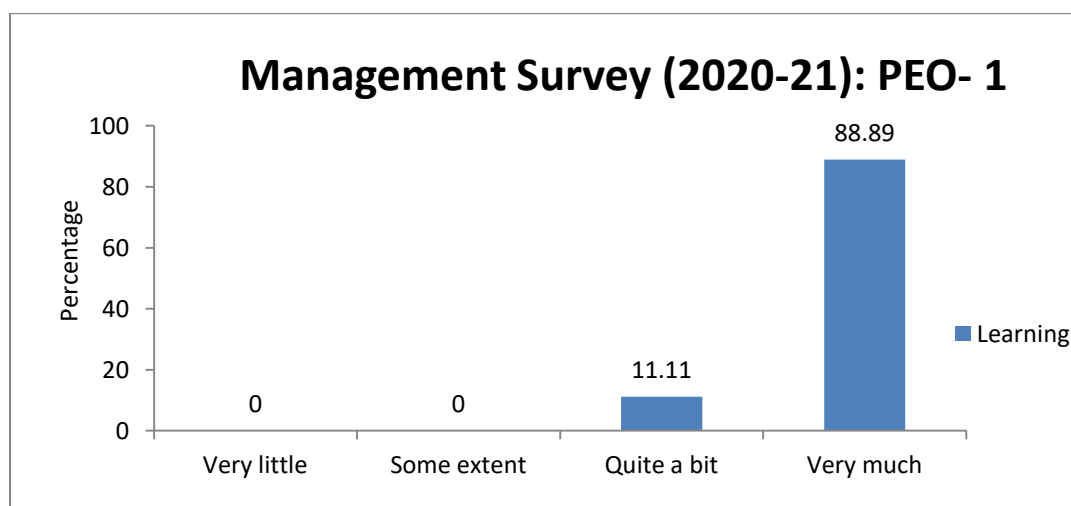
CAY (2020-21)

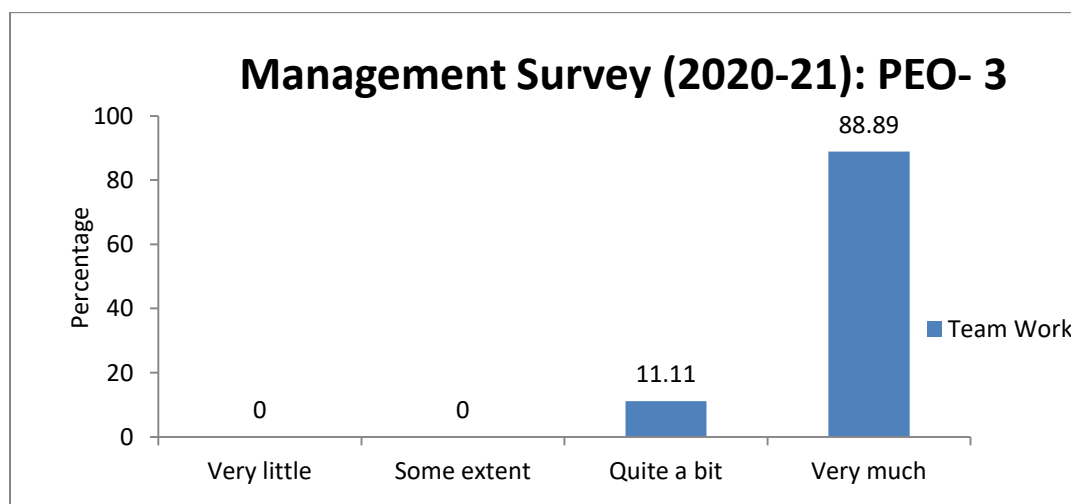
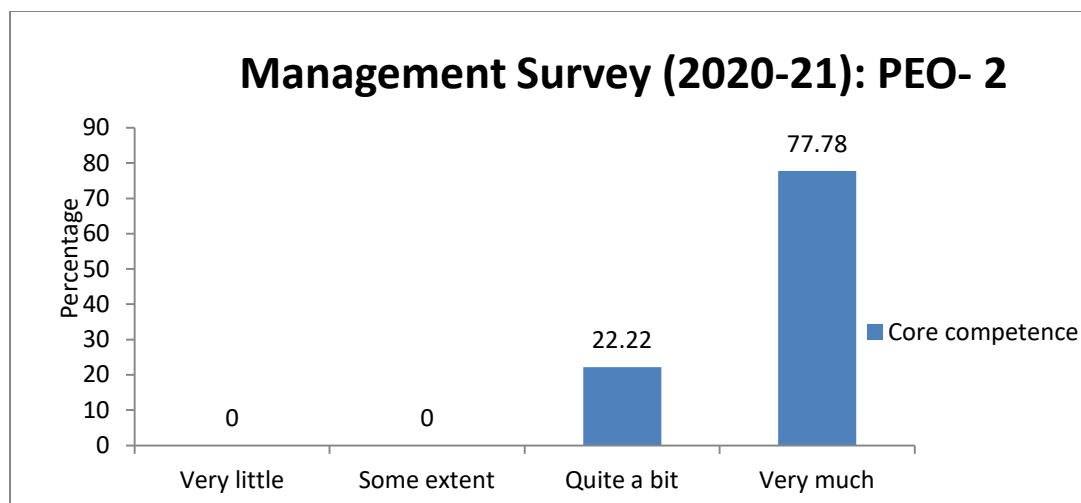
PEO-1: $88.89 \times 4 + 11.11 \times 3 + 00 \times 2 + 00 \times 1 = 388.89/100 = 3.89 = 97.22 \%$

PEO-2: $77.78 \times 4 + 22.22 \times 3 + 00 \times 2 + 00 \times 1 = 377.78/100 = 3.78 = 94.45 \%$

PEO-3: $88.89 \times 4 + 11.11 \times 3 + 00 \times 2 + 00 \times 1 = 388.89/100 = 3.89 = 97.22 \%$

Average = $3.85 = 96.30\%$





CAY (2021-22)

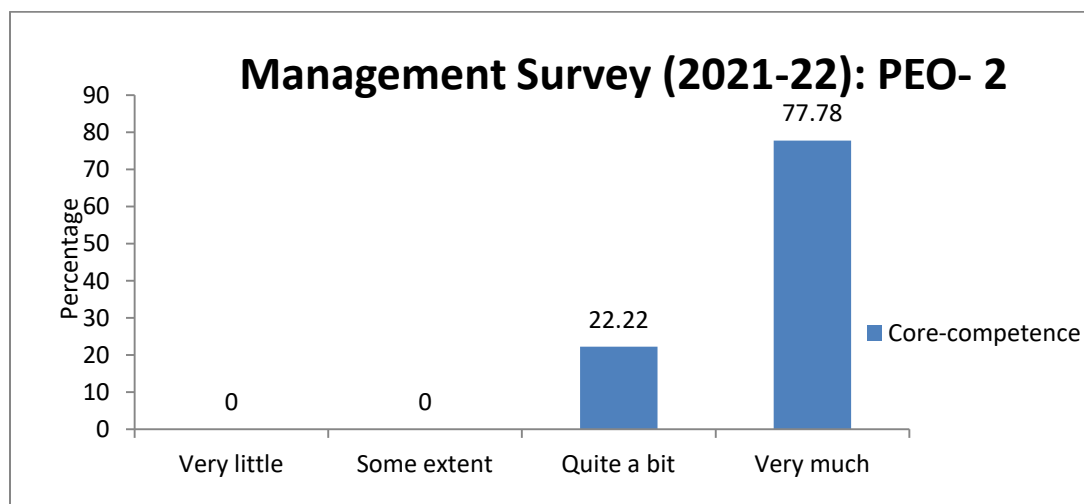
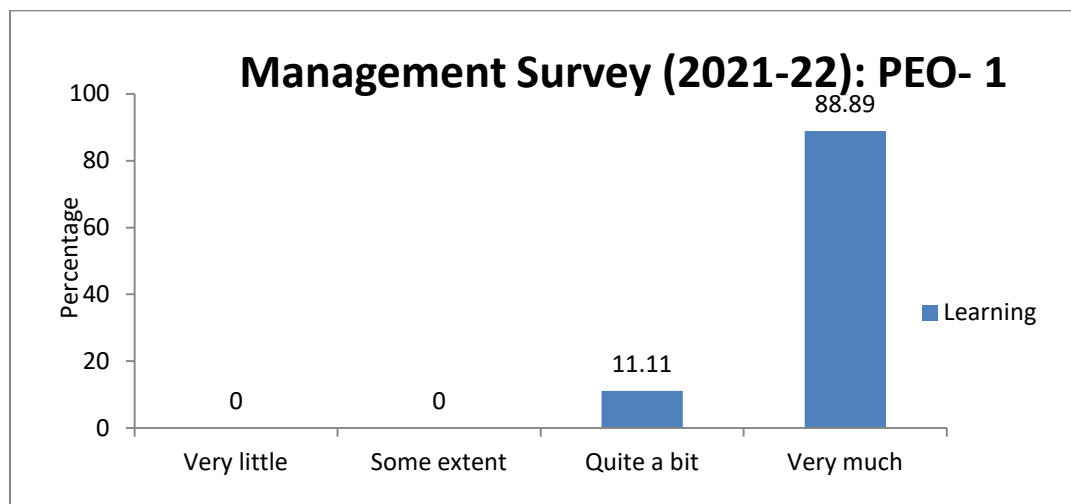
PEO-1: $88.89 \times 4 + 11.11 \times 3 + 00 \times 2 + 00 \times 1 = 388.89/100 = 3.89 = 97.22 \%$

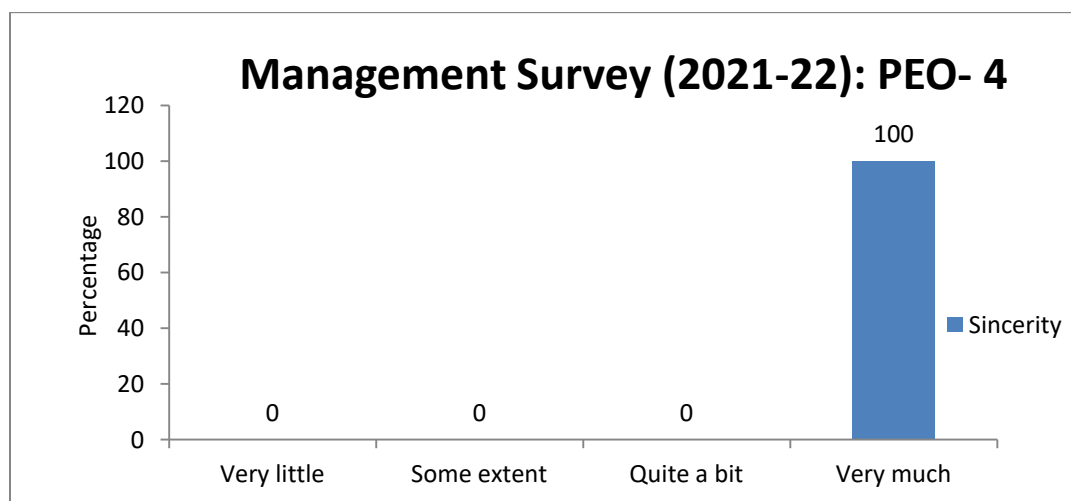
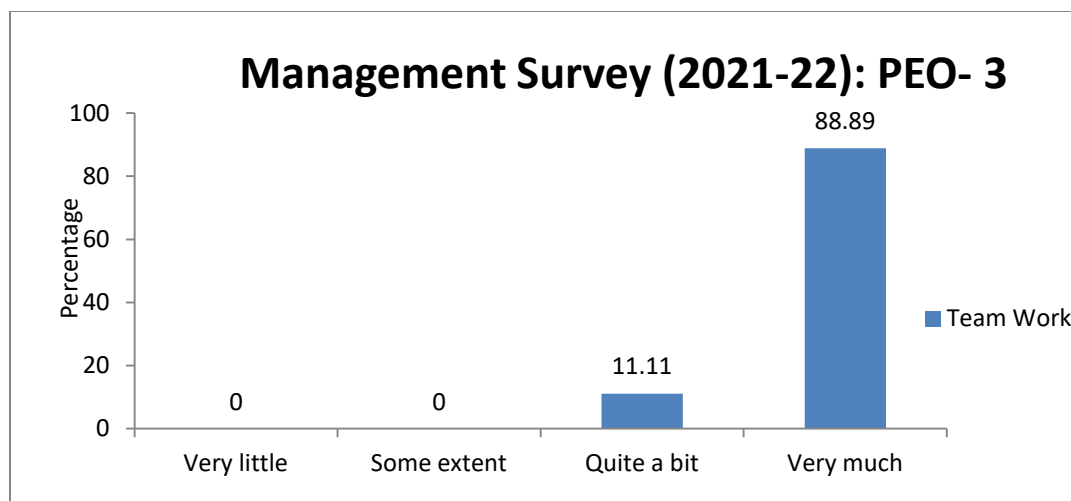
PEO-2: $77.78 \times 4 + 22.22 \times 3 + 00 \times 2 + 00 \times 1 = 377.78/100 = 3.78 = 94.45 \%$

PEO-3: $88.89 \times 4 + 11.11 \times 3 + 00 \times 2 + 00 \times 1 = 388.89/100 = 3.89 = 97.22 \%$

PEO-4: $100 \times 4 + 00 \times 3 + 00 \times 2 + 00 \times 1 = 400/100 = 4.00 = 100 \%$

Average = $3.89 = 97.22\%$





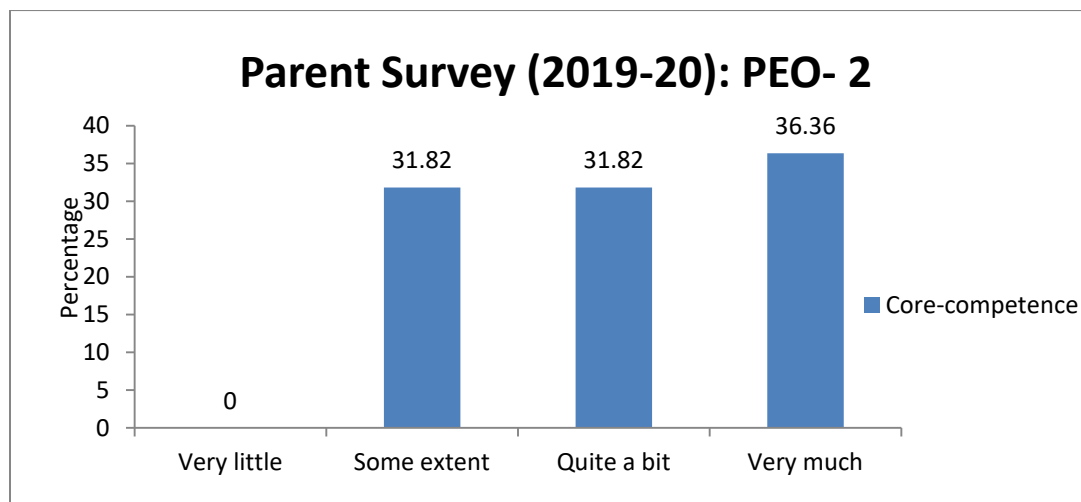
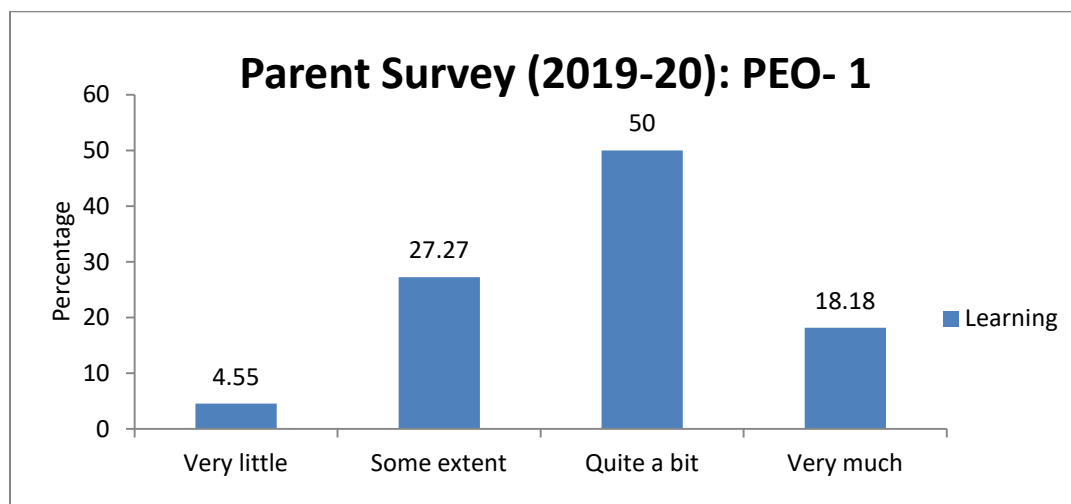
V. Mapping through Parent (N=35)***CAY (2019-20)***

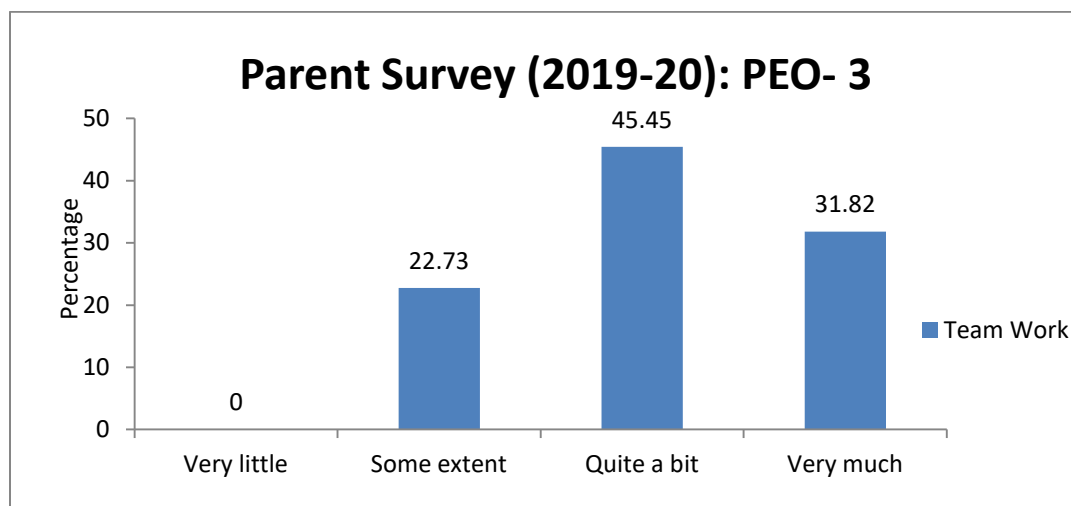
PEO-1: $18.18 \times 4 + 50 \times 3 + 27.27 \times 2 + 4.55 \times 1 = 281.81/100 = 2.81 = 70.45 \%$

PEO-2: $36.36 \times 4 + 31.82 \times 3 + 31.82 \times 2 + 0 \times 1 = 304.54/100 = 3.05 = 76.14 \%$

PEO-3: $31.82 \times 4 + 45.45 \times 3 + 22.73 \times 2 + 0 \times 1 = 309.09/100 = 3.09 = 77.27 \%$

Average = 2.97 = 74.62%





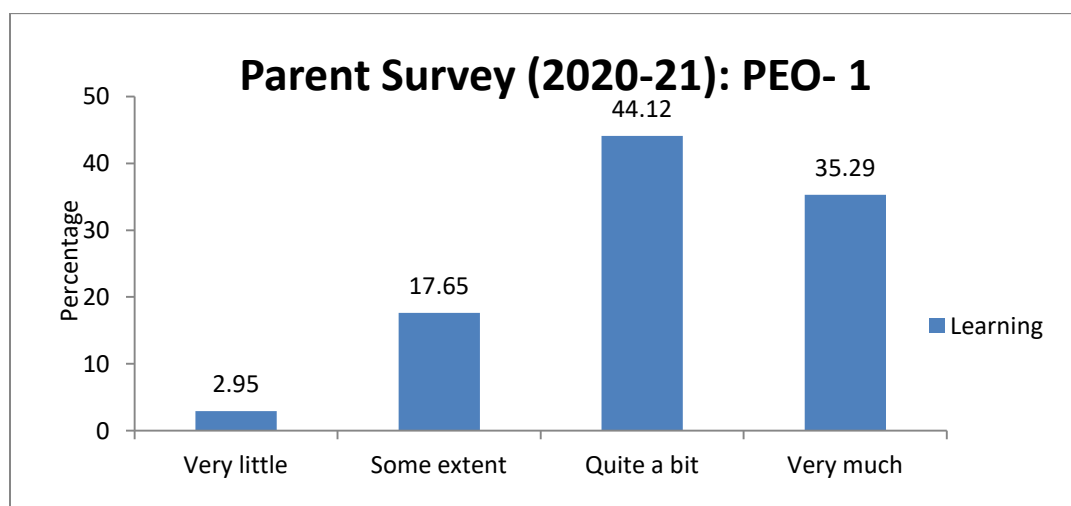
CAY (2020-21)

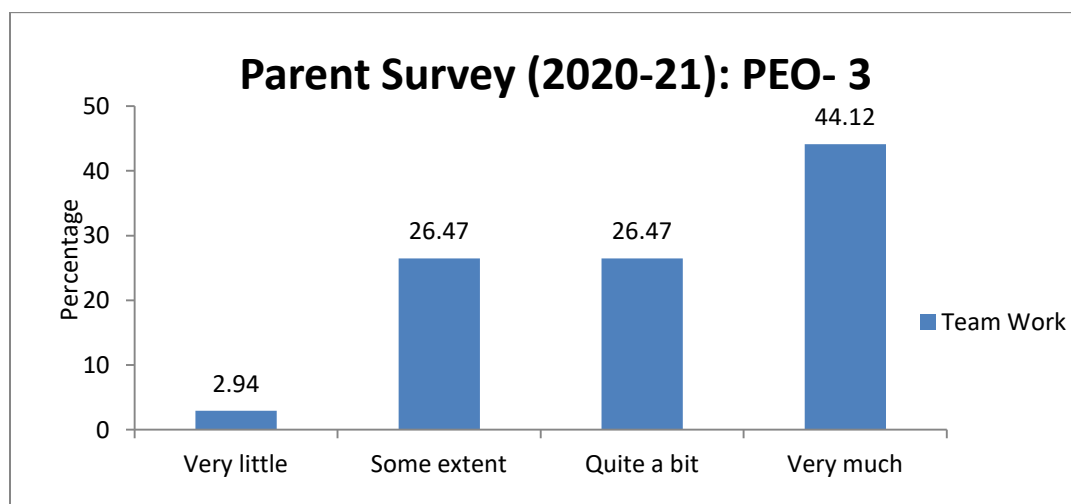
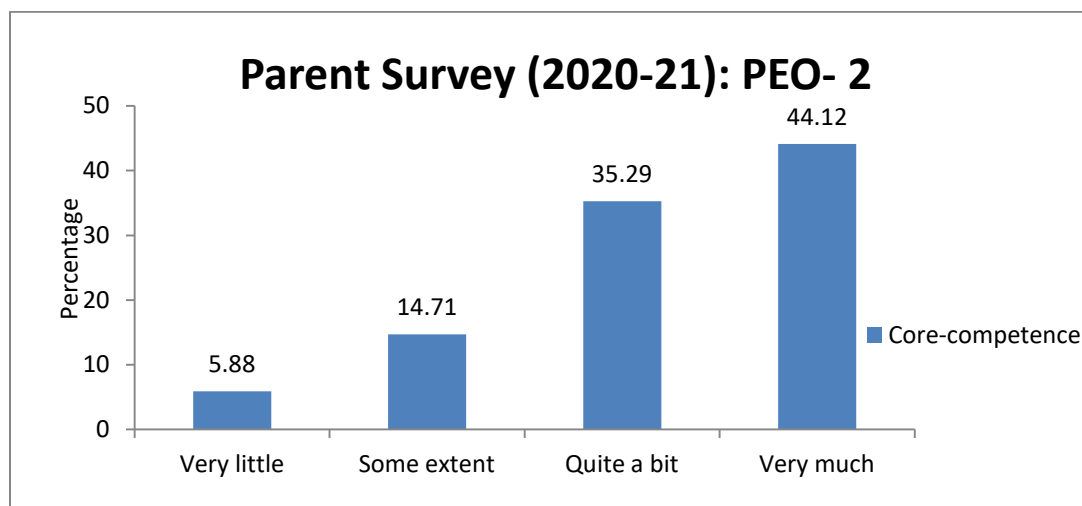
PEO-1: $35.29 \times 4 + 44.12 \times 3 + 17.65 \times 2 + 2.94 \times 1 = 311.76/100 = 3.12 = 77.94 \%$

PEO-2: $44.12 \times 4 + 35.29 \times 3 + 14.71 \times 2 + 0 \times 1 = 311.77/100 = 3.12 = 77.94 \%$

PEO-3: $44.12 \times 4 + 26.47 \times 3 + 26.47 \times 2 + 2.94 \times 1 = 311.77/100 = 3.12 = 77.94 \%$

Average = $3.12 = 77.94\%$





CAY (2021-22)

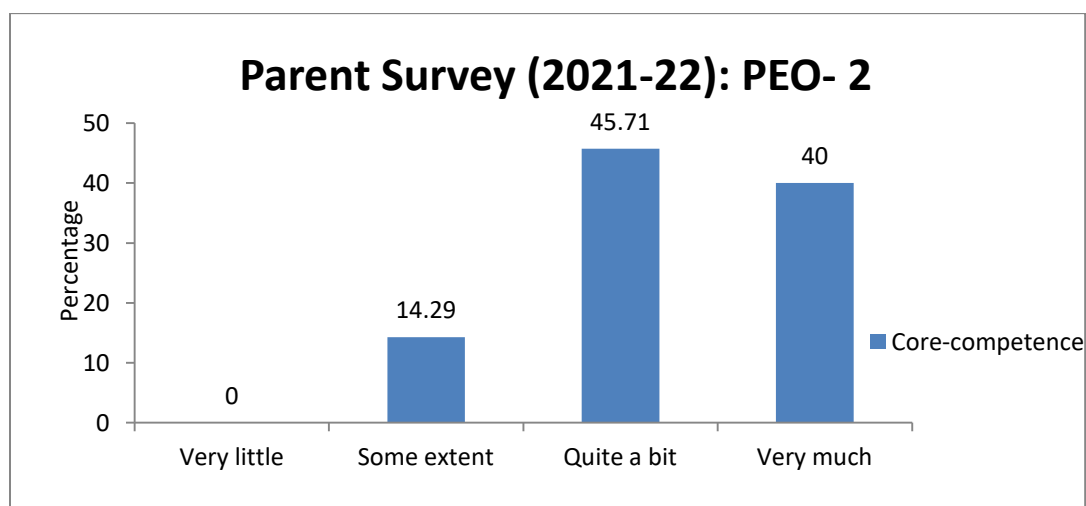
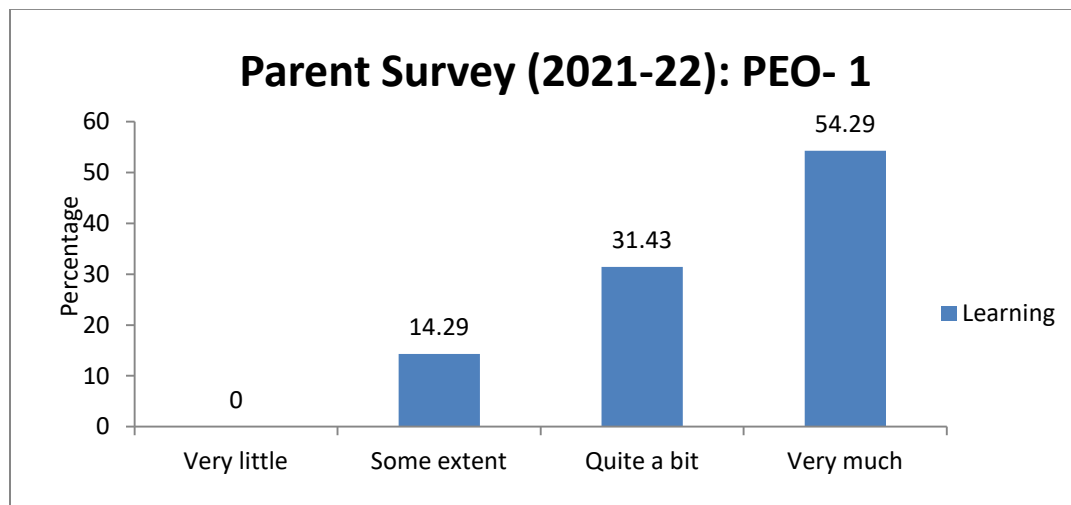
PEO-1: $54.29 \times 4 + 31.43 \times 3 + 14.29 \times 2 + 0 \times 1 = 340.03/100 = 3.40 = 85.01 \%$

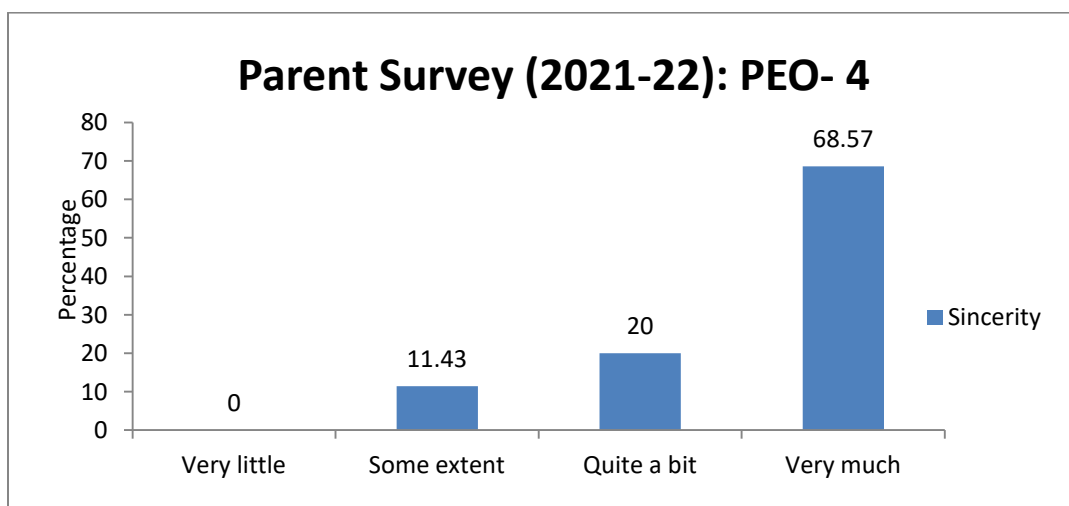
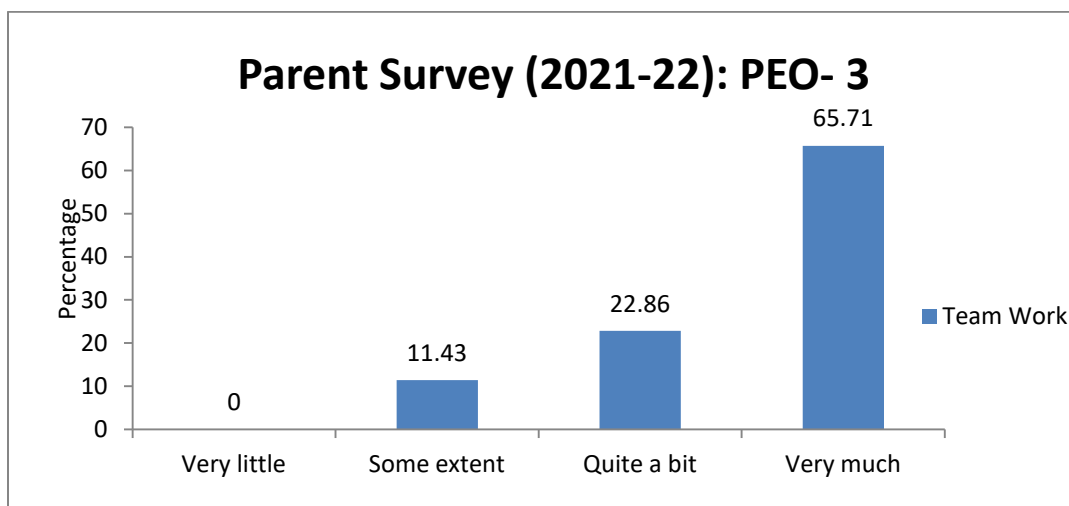
PEO-2: $40 \times 4 + 45.71 \times 3 + 14.29 \times 2 + 0 \times 1 = 325.71/100 = 3.26 = 81.43 \%$

PEO-3: $65.71 \times 4 + 22.86 \times 3 + 11.43 \times 2 + 0 \times 1 = 354.28/100 = 3.54 = 88.57 \%$

PEO-4: $68.57 \times 4 + 20 \times 3 + 11.43 \times 2 + 0 \times 1 = 357.14/100 = 3.57 = 89.29 \%$

Average = $3.44 = 86.08\%$





VI. Mapping through Professional Bodies (N=18)

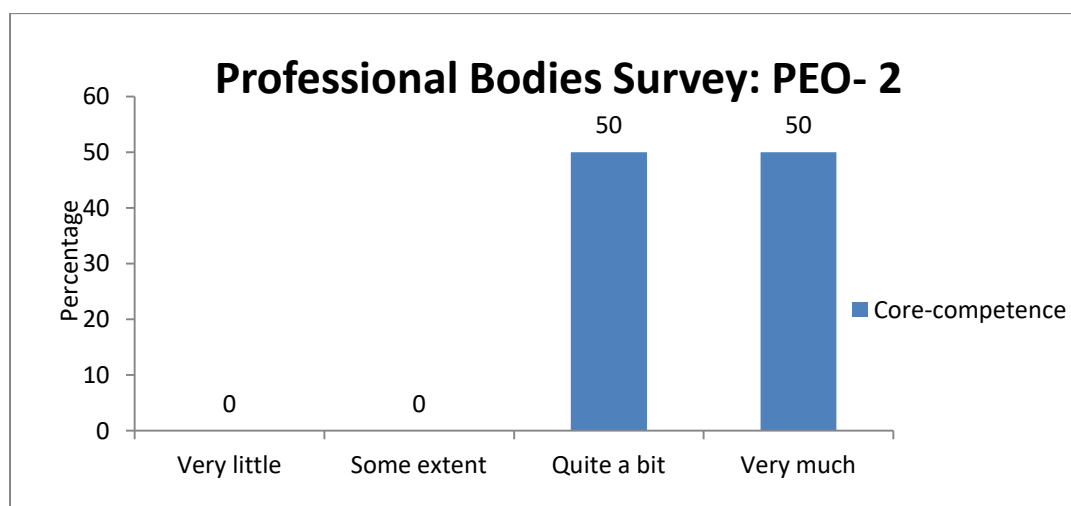
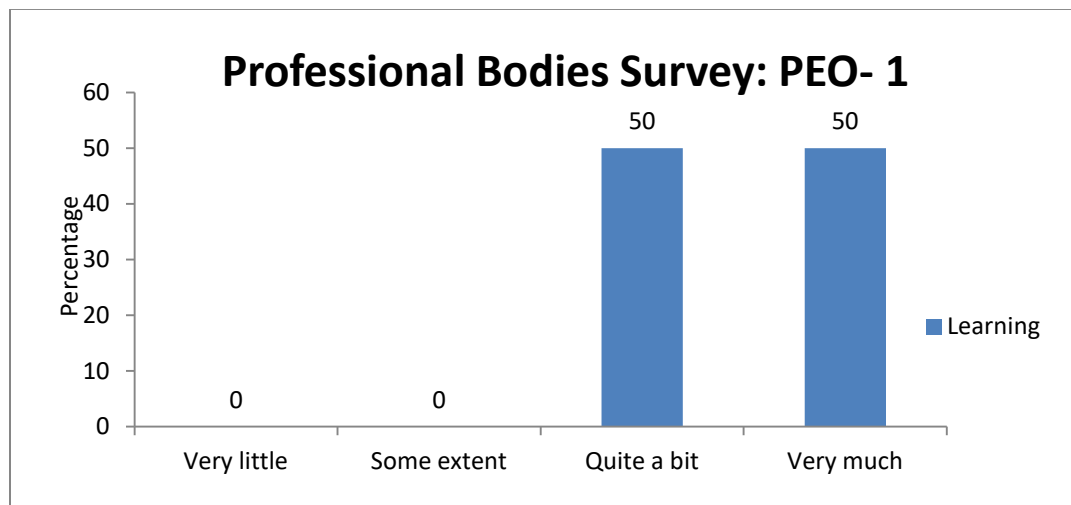
PEO-1: $50 \times 4 + 50 \times 3 + 0 \times 2 + 0 \times 1 = 350/100 = 3.5 = 87.5 \%$

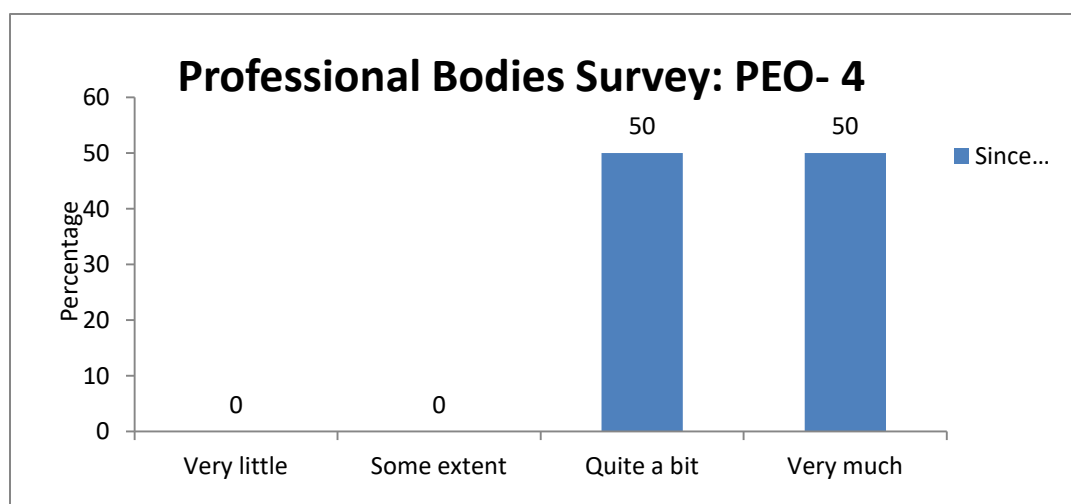
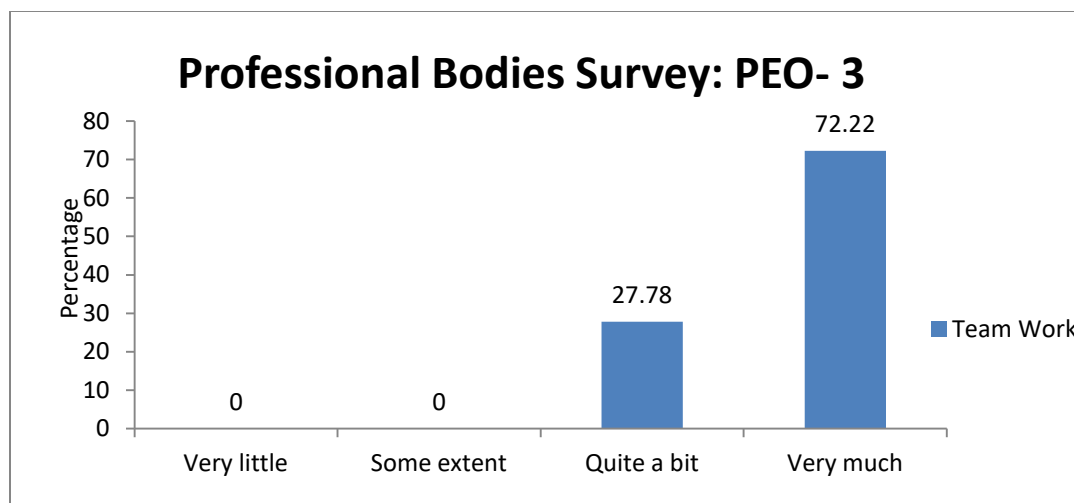
PEO-2: $50 \times 4 + 50 \times 3 + 0 \times 2 + 0 \times 1 = 350/100 = 3.5 = 87.5 \%$

PEO-3: $72.22 \times 4 + 27.78 \times 3 + 0 \times 2 + 0 \times 1 = 372.22/100 = 3.72 = 93.06 \%$

PEO-4: $50 \times 4 + 50 \times 3 + 0 \times 2 + 0 \times 1 = 350/100 = 3.5 = 87.5 \%$

Average = $3.56 = 88.89\%$





Observed values for PEOs for various surveys

SURVEY	PEO 1	PEO 2	PEO 3	PEO 4	Average
Alumni	3.79	3.56	3.41	3.33	3.52
Employer	3.84	3.82	3.89	3.86	3.85
Faculty	3.56	3.39	3.59	3.78	3.58
Management	3.89	3.78	3.89	4.00	3.89
Parents	3.11	3.14	3.25	3.57	3.27
Professional Bodies	3.5	3.5	3.72	3.5	3.56
Average	3.62	3.53	3.63	3.67	

Overall attainment

Average mapping through Alumni survey: 3.52

Average mapping through Employer survey: 3.85

Average mapping through Faculty survey: 3.58

Average mapping through Management survey: 3.89

Average mapping through Professional Body survey: 3.56

Average mapping through Parents survey: 3.27

Program Educational Objectives (PEOs)	Expected Level of Attainment	Observed Level of Attainment
Learning	85%	3.62 (90.5%)
Core-competence	80%	3.53 (88.25%)
Team Work	80%	3.63 (90.75%)
Sincerity	75%	3.67 (91.75%)

Sr.No	Assessment Parameters	Marks	
		Prescribed	Institute
1	Vision, Mission, Program Educational Objectives (50)		
1.1	State the Vision and Mission	05	05
1.2	State the Program Educational Objectives (PEOs)	05	05
1.3	Indicate where and how the Vision, Mission and PEOs are published and disseminated among stakeholders	15	13
1.4	State the process for defining the Vision & Mission and PEOs of the program	10	11
1.5	Establish consistency of PEOs with Mission of the Institute	15	12
	Total	50	46

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

2.1 Program Curriculum(40)

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

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

Note: *In case all POs are being demonstrably met through University Curriculum then 2.1.2 will not be applicable and the weightage of 2.1.1 will be 30.*

Mahatma Gandhi Vidyamandir's Pharmacy College, Panchavati, Nasik, is permanently affiliated to Savitribai Phule Pune University Pune, (SPPU) since its inception (1993). All the courses - B. Pharmacy, M. Pharmacy (five specializations) and Ph.D. are affiliated to SPPU Pune. MGV's Pharmacy College, Panchavati, Nasik, follows the syllabus prescribed by the SPPU Pune. As per regulations of SPPU Pune, first year, second year, third year and final year B. Pharmacy follows semester system. Thus, total semesters considered are 08. The list of subjects and its structure for the B. Pharmacy course under SPPU Pune are given below. The University continues with the credit marks - pattern for the evaluation and the award of degree to the students.

- For current academic year CAY (2021-22), F.Y.B. Pharm, S.Y.B. Pharm and T.Y.B. Pharm courses were conducted as per 2019 pattern, Final B. Pharm course is conducted as per 2018 pattern, i.e. PCI prescribed syllabus
- For CAY m1 (2020-21), F.Y.B. Pharm, S.Y.B. Pharm courses were conducted as per 2019 pattern while T.Y.B. Pharm course was conducted as per 2018 pattern PCI prescribed syllabus and Final year B. Pharm course was conducted as per 2015 pattern as per SPPU syllabus.
- For CAYm2 (2019-20), F.Y.B. Pharm course was conducted as per 2019 pattern and S.Y.B. Pharm course was conducted as per 2018 pattern PCI prescribed syllabus, while T.Y.B. Pharm and Final B. Pharm courses were conducted as per 2015 pattern as per SPPU syllabus.

Content of the Syllabus-Subjects and modes of teaching**CAY(2021-22)**

F.Y.B.Pharm S.Y.B.Pharm T.Y.B.Pharm- 2019 Pattern, Final Year B.Pharm- 2018 Pattern (**PCI Prescribed syllabus**)

Course Code	Course Title	Number of hours	Tutorial	Credits/Marks		
				Internal	External	Total
BP101T	Human Anatomy and Physiology I–Theory	3	1	25	75	100
BP102T	Pharmaceutical Analysis I – Theory	3	1	25	75	100
BP103T	Pharmaceutics I – Theory	3	1	25	75	100
BP104T	Pharmaceutical Inorganic Chemistry – Theory	3	1	25	75	100
BP105T	Communication skills – Theory *	2	-	15	35	50
BP106RBT BP106RMT	Remedial Biology/ Remedial Mathematics – Theory*	2	-	15	35	50
BP107P	Human Anatomy and Physiology – Practical	4	-	15	35	50
BP108P	Pharmaceutical Analysis I – Practical	4	-	15	35	50
BP109P	Pharmaceutics I – Practical	4	-	15	35	50
BP110P	Pharmaceutical Inorganic Chemistry (Practical)	4	-	15	35	50
BP111P	Communication skills – Practical*	2	-	10	15	25
BP112RBP	Remedial Biology – Practical*	2	-	10	15	25

BP201T	Human Anatomy and Physiology II- Theory	3	1	25	75	100
BP202T	Pharmaceutical Organic Chemistry I	3	1	25	75	100
BP203T	Biochemistry – Theory	3	1	25	75	100
BP204T	Pathophysiology – Theory	3	1	25	75	100
BP205T	Computer Applications in Pharmacy – Theory *	3	-	25	50	75
BP206T	Environmental sciences – Theory *	3	-	25	50	75
BP207P	Human Anatomy and Physiology II –Practical	4	-	15	35	50
BP208P	Pharmaceutical Organic Chemistry- I Practical	4	-	15	35	50
BP209P	Biochemistry – Practical	4	-	15	35	50
BP210P	Computer Applications in Pharmacy – Practical*	4	-	10	15	25
BP301T	Pharmaceutical Organic Chemistry II – Theory	3	1	25	75	100
BP302T	Physical Pharmaceutics- I– Theory	3	1	25	75	100
BP303T	Pharmaceutical Microbiology– Theory	3	1	25	75	100
BP304T	Pharmaceutical Engineering– Theory	3	1	25	75	100
BP305P	Pharmaceutical Organic Chemistry II-Practical	4	-	15	35	50
BP306P	Physical Pharmaceutics- I- Practical	4	-	15	35	50

BP307P	Pharmaceutical Microbiology- Practical	4	-	15	35	50
BP308P	Pharmaceutical Engineering- Practical	4	-	15	35	50
BP401T	Pharmaceutical Organic Chemistry III– Theory	3	1	25	75	100
BP402T	Medicinal Chemistry I – Theory	3	1	25	75	100
BP403T	Physical Pharmaceutics II – Theory	3	1	25	75	100
BP404T	Pharmacology I – Theory	3	1	25	75	100
BP405T	Pharmacognosy and Phytochemistry I– Theory	3	1	25	75	100
BP406P	Medicinal Chemistry I – Practical	4	-	15	35	50
BP407P	Physical Pharmaceutics II – Practical	4	-	15	35	50
BP408P	Pharmacology I – Practical	4	-	15	35	50
BP409P	Pharmacognosy and Phytochemistry I – Practical	4	-	15	35	50
BP501T	Medicinal Chemistry II – Theory	3	1	25	75	100
BP502T	Industrial PharmacyI– Theory	3	1	25	75	100
BP503T	Pharmacology II – Theory	3	1	25	75	100
BP504T	Pharmacognosy and Phytochemistry II– Theory	3	1	25	75	100
BP505T	Pharmaceutical Jurisprudence– Theory	3	1	25	75	100

BP506P	Industrial PharmacyI – Practical	4	-	15	35	50
BP507P	Pharmacology II – Practical	4	-	15	35	50
BP508P	Pharmacognosy and Phytochemistry II – Practical	4	-	15	35	50
BP601T	Medicinal Chemistry III – Theory	3	1	25	75	100
BP602T	Pharmacology III – Theory	3	1	25	75	100
BP603T	Herbal Drug Technology – Theory 3	3	1	25	75	100
BP604T	Biopharmaceutics and Pharmacokinetics – Theory	3	1	25	75	100
BP605T	Pharmaceutical Biotechnology – Theory	3	1	25	75	100
BP606T	Quality Assurance – Theory	3	1	25	75	100
BP607P	Medicinal chemistry III – Practical	4	-	15	35	50
BP608P	Pharmacology III – Practical	4	-	15	35	50
BP609P	Herbal Drug Technology – Practical	4	-	15	35	50
BP701T	Instrumental Methods of Analysis – Theory	3	1	25	75	100
BP702T	Industrial PharmacyII – Theory	3	1	25	75	100
BP703T	Pharmacy Practice – Theory	3	1	25	75	100
BP704T	Novel Drug Delivery System – Theory	3	1	25	75	100
BP705P	Instrumental Methods of Analysis – Practical	4	-	15	35	50
BP706PS	Practice School*	12	-	25	125	150

BP801T	Biostatistics and Research Methodology	3	1	25	75	100
BP802T	Social and Preventive Pharmacy	3	1	25	75	100
BP803ET	Pharma Marketing Management	3	1	25	75	100
BP804ET	Pharmaceutical Regulatory Science	3	1	25	75	100
BP805ET	Pharmacovigilance	3	1	25	75	100
BP806ET	Quality Control and Standardization of Herbs Instrumentation Techniques	3	1	25	75	100
BP807ET	Computer Aided Drug Design	3	1	25	75	100
BP808ET	Cell and Molecular Biology	3	1	25	75	100
BP809ET	Cosmetic Science	3	1	25	75	100
BP810ET	Experimental Pharmacology	3	1	25	75	100
BP811ET	Advanced Instrumentation Techniques	3	1	25	75	100
BP812ET	Dietary Supplements and Nutraceuticals	3	1	25	75	100
BP813PW	Project Work	5	-	25	125	150

The students who opted for Mathematics / Physics / Chemistry at HSC will appear for Remedial Biology (RB) course.

The students who opted for Physics / Chemistry / Botany / Zoology at HSC will appear for Remedial Mathematics (RM) course.

*Non University Examination (NUE)

CAY m1(2020-21)

F.Y.B.Pharm- 2019 Pattern, S.Y.B.Pharm- 2019 pattern, T.Y.B.Pharm -2018 pattern (**PCI Prescribed syllabus**) Final Year B.Pharm- 2015 Pattern (**SPPU Syllabus**)

CAY m2(2019-20)

F.Y.B.Pharm- 2019 Pattern, S.Y.B.Pharm- 2018 pattern (**PCI Prescribed syllabus**), T.Y.B.Pharm and Final Year B.Pharm- 2015 Pattern(**SPPU Syllabus**)

Course Code	Course Title	Total Number of contact hours	Credits/Marks		
			Int.(40)	Ext. (60)	Total(100)
3.5.1 T	Industrial Pharmacy-I	3	40	60	100
3.5.1 P	Industrial Pharmacy-I	3	40	60	100
3.5.2 T	Pharmaceutical Analysis-III	3	40	60	100
3.5.2 P	Pharmaceutical Analysis-III	3	40	60	100
3.5.3 T	Medicinal Chemistry-I	3	40	60	100
3.5.3 P	Medicinal Chemistry-I	3	40	60	100
3.5.4 T	Pharmacology-II	3	40	60	100
3.5.4 P	Pharmacology-II	3	40	60	100
3.5.5 T	Analytical Pharmacognosy & Extraction Technology	3	40	60	100
3.5.5 P	Analytical Pharmacognosy & Extraction Technology	3	40	60	100
3.5.6 T	Pharmaceutical Business Management & Disaster Management	3	40	60	100
3.5.7 T	Active Pharmaceutical Ingredients Technology	3	40	60	100
3.6.1 T	Industrial Pharmacy-II	3	40	60	100
3.6.1 P	Industrial Pharmacy-II	3	40	60	100
3.6.2 T	Pharmaceutical Analysis-IV	3	40	60	100
3.6.2 P	Pharmaceutical	3	40	60	100

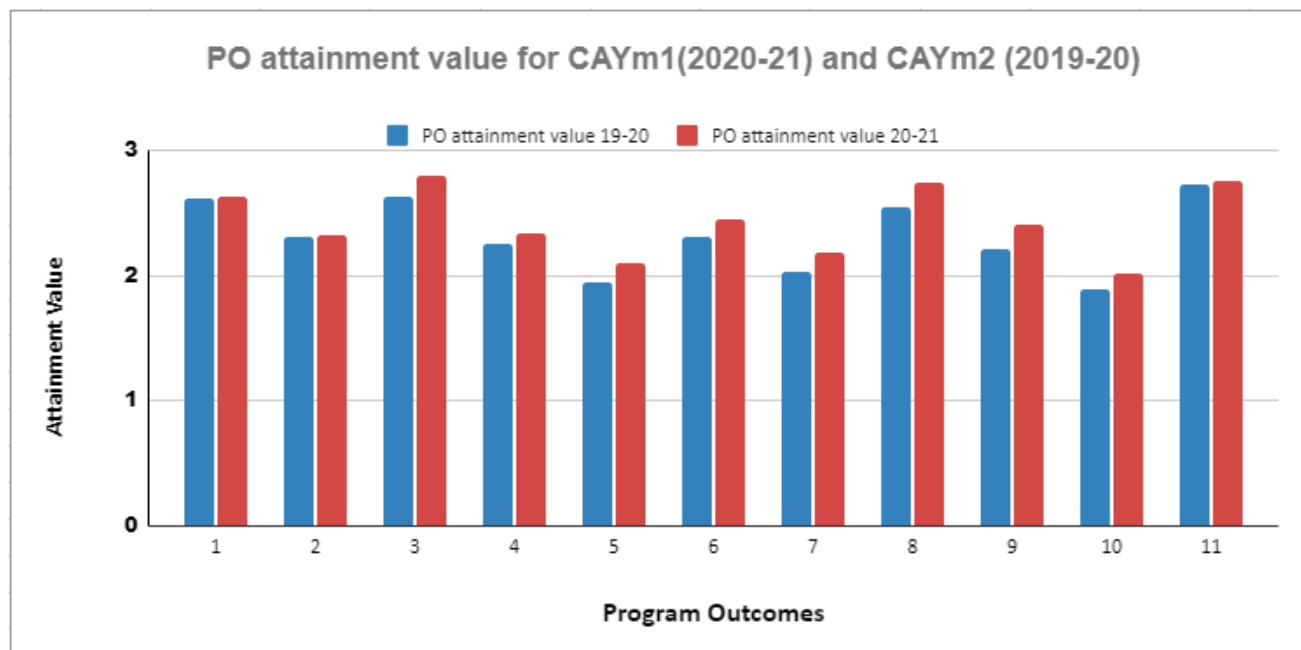
	Analysis-IV				
3.6.3 T	MedicinalChemistry-II	3	40	60	100
3.6.3 P	MedicinalChemistry-II	3	40	60	100
3.6.4 T	Pharmacology-III	3	40	60	100
3.6.4 P	Pharmacology-III	3	40	60	100
3.6.5 T	Natural ProductChemistry	3	40	60	100
3.6.5 P	Natural ProductChemistry	3	40	60	100
3.6.6 T	Bioorganic Chemistry & Drug Design	3	40	60	100
3.6.7 T	PharmaceuticalBiotechnology	3	40	60	100
4.7.1 T	Sterile Products	3	40	60	100
4.7.1 P	Sterile Products	3	40	60	100
4.7.2 T	Pharmaceutical Analysis-V	3	40	60	100
4.7.2 P	Pharmaceutical Analysis-V	3	40	60	100
4.7.3 T	Medicinal Chemistry-III	3	40	60	100
4.7.3 P	Medicinal Chemistry-III	3	40	60	100
4.7.4 T	Pharmacology-IV	3	40	60	100
4.7.4 P	Pharmacology-IV	3	40	60	100
4.7.5 T	Natural Drug Technology	3	40	60	100
4.7.5 P	Natural Drug Technology	3	40	60	100
4.7.6 T	Bio-pharmaceutics & Pharmacokinetics	3	40	60	100
4.7.7 T	Pharmaceutical Jurisprudence	3	40	60	100
4.8.1 T	Advanced Drug DeliverySystem	3	40	60	100
4.8.1 P	Advanced Drug DeliverySystem	3	40	60	100
4.8.2 T	Cosmetic science	3	40	60	100
4.8.2 P	Cosmetic science	3	40	60	100
4.8.3 T	Pharmaceutical Analysis-VI	3	40	60	100
4.8.3 P	Pharmaceutical Analysis-VI	3	40	60	100

4.8.4 T	Medicinal Chemistry-IV	3	40	60	100
4.8.4 P	Medicinal Chemistry-IV	3	40	60	100
4.8.5 T	Pharmacology-V(Including Biostatistics)	3	40	60	100
4.8.5 P	Pharmacology-V(Including Biostatistics)	3	40	60	100
4.8.6 T	Natural Products: Commerce, Industry & Regulations	3	40	60	100
4.8.7 T	Quality Assurance Tech.	3	40	60	100

Core Pharmacy courses against the programme outcome:-

The syllabus prescribed by SPPU, Pune is correlated with Program Outcomes as per NBA. Teaching Learning Process is modified to attain PEOs and POs.

PO NO.	1	2	3	4	5	6	7	8	9	10	11
PO attainment value (19-20)	2.61	2.3	2.63	2.25	1.94	2.3	2.03	2.55	2.21	1.89	2.73
PO attainment (20-21)	2.63	2.32	2.79	2.34	2.1	2.45	2.18	2.74	2.4	2.01	2.75
Avg	2.62	2.31	2.71	2.295	2.02	2.375	2.105	2.645	2.305	1.95	2.74



Maximum level is attained by PO1, PO3, PO8 and PO11 (Pharmacy Knowledge, Problem analysis, Communication and Life long learning), minimum level is attained by PO5 (Leadership skills) and PO10 (Environment and Sustainability), a large number of POs are covered by laboratory components.

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)

- The content of each theory subject is well defined and the experiments are specified for each laboratory component by Savitribai Phule Pune University.
- Faculty members have done exhaustive study of syllabus and through discussion with students have identified few gaps. Each subject is dealt against the program outcomes (POs) envisaged by NBA. Feedback from students, alumni are taken in consideration for identification of gaps on syllabus prescribed by PCI/ SPPU.
- Gaps are identified either in the contents of a course or addition of a content for clarification of concept in theory course. This was attempted by using relevant teaching-learning methods, so as to further strengthen the program educational objectives (PEOs) and program outcomes (POs).
- During constructive interactions with placement officials/alumni, their feedback also help us to identify gap (For eg. Communication skills/ Facing Interview skills to be enhanced amongst students; exposure to industrial environment)

CAY(2021-22)

Sr,no	Date-Month-Year	Gap	Action taken	Resource person with designation	No. of students present	Relevance to PO
1	1/7/2021	Stress Management, Lifestyle acquired diseases	Modern lifestyle and Ayurveda	Dr.Manjusha More (M.D.Ayurved)	75	1,3,6,9,10,11
2	21/07/22 to 23/07/22	How to enhance your immunity to fight against diseases	'Immunity Boosting Workshop'	Dr. Kavita Sonawane & Mr. Atharva Sonawane, Art Of living	37	1,3,6,9,10,11
3	27/7/2021	Training and Placement	Importance of Profession Ready Training and Placement programme	Prutha.J.(BOD) Clini INDIA	60	1,3,5,6,7,8,9,11
4	01/08/21	Motivation(Pharmacy and profession)	Journey from Pharmacy to world's Peace Ambassador.	Alumni-Dr Amjadkhan A. Pathan , Chairman Asanaj Healthcare Education & Research Foundation	80	1,2,3,5,6,7,8,9,11
5	12/08/21	Importance of sports and fitness.	Fitness for healthy well being	Mrs Pallavi Dhattrak, Taluka Sports Officer, Nashik	75	2,3,5,8
6	24/08/21	Training and placement	Pharma Career Guidance	Mr. Amol Gavande.Founder -CEO-Smartchem Plus Director: Chemnext Pharma PVT. Ltd.	88	1,2,3,5,6,7,8,9,11
7	27/8/2021	Pharmacy profession,curriculum	Pharmacy Practice School: An overview and its effective Implementation	Dr.Satish Polshettiwar, School of Pharmacy ,MITWPU,Pune, India	230	1,2,3,4,6,7,8,9,11

8	31/8/2021	Higher education opportunities abroad.	Study & career opportunities in USA and Abroad in Pharmacy.	Dr.Rahul Nahire Laboratory Director: Lighthouse Lab services ,Holly Springs ,USA & Founder of Rajdeep study Abroad	88	1,2,3,5,6,7,8,9,11
9	07/09/2021	Importance of Sports for healthy mind and body	Hockey and Major Dhyanchand	Dr. Dinesh P. Karad, BOS Member, SPPU. and Director of Physical Education, MGV's ASC college, Manmad	90	2,3,5,8
10	21/09/2021	Preparation for competitive examinations	Preparation Strategy for GPAT-2022"	Dr. Dipak Dhanraj Patil, Associate Professor, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur, Dist. Dhule	136	1,2,3,4,6,7,8,9,11
11	24/9/2021	Social responsibility	NSS day celebration	Mr.Samadhan Shimpi	95	6,8,9
12	02/10/2021	Motivation	Mahatma Gandhiji- A role model	Dr. Avinash Dhake (Principal, SMBT, Dhamangaon)	103	5,7,8,9
13	15/10/2021	General knowledge enhancement	Quiz competition Dr.Abdul Kalam organised on occasion of Vachak Prerana din	Conducted by Dr. U S. Ulhe, Librarian, MGV	400 students	2,3,6,8,11
14	9/10/2021	Pharmacy Profession updates	Role of clinical Pharmacology in drug development	Dr.Anirudhdha Amrite(Alumni) Head of clinical Pharmacology Dicerna Pharmaceuticals Cambridge MA	100	1,2,3,5,6,7,8,9,11
15	30/10/2021	Enterpreneurship	Flipping Scenario in	Rohan Pawar	95	1,2,3,5

		challenges and opportunities	Entrepreneurship Practice by twentyfirst century	(Alumni) Founder RAP Analytical research and training center		,6,7,8,9,11
16	14/12/2021	Pharmacy Profession updates	Current Trends in the Vaccine Development	Mr. Vishal Sonje (Alumni) CMC lead,Europe-CEPI	85	1,2,3,5,6,7,8,9,11
17	22/12/2021	Activities to be practiced for a healthy and sound life	Importance of Pranayam, Yoga, Suryanamaskar, Exercise and balanced diet for healthy wellbeing	Mrs. Sonali Amol Joshi, Nutritionist and Dietician, Nasik	100	2,3,5,8
18	25/12/2021	Hospital Management- A Practical approach (Pharmacy Practice)	Hospital Management and it's organization	Dr. Raghavendra M. Bhutada, Ashoka Hospital, Nasik	44 students	1,2,3,5,6,7,8,9,11
19	03/01/2022	Women development	Guest Lecture- Krantijyoti Savitribai Phule	Mr.Rahul Desale, MSG college, Malegaon	100	2,3,5,8
22	17/01/2022	Personality development	Poem reading event on occasion of Vachak prerana din	Conducted by Dr. U. S. Ulhe, Librarian, MG V	98	8
24	24/01/2022	Gender sensitisation	Rashtriya Balika Din	Dr.Surekha Borhade, Book Writer, KTHM, Nasik	120	2,3,5,8
25	25/01/2022	Financial management	Bombay Stock Exchange	Mr.Pankaj Mathkar	80	2,3,4,5,8
26	27/02/2022	Importance of mother tongue	Mi Marathi cha-	Mrs. Jyoti Ratnaparakhi, Book writer, Nasik	62	8
27	21/2/2022	Knowledge on laws	World day for social Justice- Importance and need	Adv. Kavita Jadhav, Chalisgaon	80	8,11
28	8/3/2022	Women empowerment	Constitutional rights for women	Adv.Minal Khohar Lawyer , Nasik	120	8
29	11/3/2022	Pharmacy Profession updates	Drug Regulatory affairs and Intelligence	Mr.Amit Khodke, Mumbai (Alumni)	100	1,2,3,5,6,7,8,9,11

CAY m1(2020-21)

Sr.No	Date-Month-Year	Gap	Action taken	Resource person with designation	No. of students present	Relevance to PO
1	21/07/2020	Current status of Drug Design and Discovery	Role of artificial intelligence and machine learning in drug discovery process.	Dr.Bhushan Bonde (Alumni)Sangers Institute, Cambridge (UK)	124	1,2,3,4,6,8,9,11
2	07/08/2020	Patents current scenario-(Pharmaceuticals)	Pharma Business in US & EU(Patients,Payors ,Patents and Generic Outlook and future)	Dr.Arvind Sonawane, Analytics Newbridge Pharmaceuticals, Dubai	135	1,2,3,4,6,8,9,11
3	09/08/2020	Importance of stress testing in formulation Deveopment (Pharmaceutical Chemistry)	Stress testing an integral part of Pharmaceutical Product Development	Dr.Omkar D.Sherikar (Alumni), Senior Executive (Reviewer) ARDL,FDC Ltd Mumbai	115	1,2,3,4,6,8,9,11
4	10.08.2020	Spectral analysis of organic compounds Pharmaceutical Chemistry	Spectral Interpretation of UV data	Dr R. P Marathe (Aurangabad)	85	1,2,3,4,6,8,9,11
5	19/8/2020	Social Awareness -NSS activity	Guest lecture Organ donation (NSS)	Dr Dilip Bhavsar, M.D. Pathology, Malegaon	67	5,7,8,9,11
6	16.08.20	Insights into-Clinical data Management (Pharmacology)	Clinical data Management	Ms Chitra Bhagat, Clinical Data Manager, Cognizant, Mumbai	55	1,2,3,4,5,6,7,8,9,11
7	24.8.2020	Spectral analysis of organic compounds(Expe	Spectral Interpretation of IR	Dr R P Marathe, Aurangabad	78	1,2,3,4,5,6,7,8,9,11

		rt talk)				
8	02/10/2020	Social Awareness	Gandhi Myth and Reality	Prof.Avinash R.Bhutada SNJB's SSDJ COP,Chandwad	105	2,5,7,8,9,11
9	15/10/2020	Social Awareness	Vachak Prerna Din	Conducted by Dr. U.S. Ulhe, Librarian, MGVS	90	2,5,8
10	17/12/2020	Career opportunities in Pharmacy Field	Channelising your Pharmacy Degree towards lucrative Professional life	Mr.Pranav R. Gadgil (Alumni) Baeyork Enterprises, Nasik	55	1,2,3,4,5,6,7,8,9,10,11
11	19/12/20	A novel professional in Pharmacy Healthcare Management as a career choice	Healthcare Management as a career choice	Mr.Dhanajay Singh Rajput(Alumni) Dependable Healthcare Administrator P.D.Hinduja Hospital and Medical Research Centre,Mumbai	65	1,2,3,4,5,6,7,8,9,10,11

CAY m2 (2019-20)

Sr. No.	Date- Month- Year	Gap	Action taken	Resource person with designation	No. of students present	Relevance to PO
1	20/06/2019	Green chemistry applications in Pharma chemistry	Ecofriendly Pharmaceutical application of hydrotrophic solubilization, mixed hydrotropic solubilization, mixed solvacy.'	Dr.R. K. Maheshwari, SGSITS, Indore.	108	1,2,3,4,5,6,7,8,9,10,11
2	21/06/2019	Social	'Demonstrative	Mrs. Sonali More, Yog	33	2,3,5,8

		Awareness Yoga for wellbeing	lecture on yoga International Yoga Day' Speaker :	Vidhyadham, Nashik.		
3	11/08/2019	Preparation for competitive examination	'How to face GPAT and online Examination'	Dr. Anwar R. Shaikh, Allana College Of Pharmacy,PUNE	50	1,2,3,4,5,6,7 ,8,9,11
4	13/08/2019	ModernAnaly tical tools	Dissolution , 21 CFR and FTIR	Mr. Sandip Jagtap, Lab India Analytical Instruments Pvt. Ltd.	57	1,2,3,4,5,6,7 ,8,9,11
5	21/08/2019	Qualities for successful Entrepreneur offline	Entrepreneurship Awareness	Mr. Sunil Chandak, Udyogwardhini, Nashik	46	2,3,5,6,7,8,9 ,11
6	23/08/2019	Computer aided Drug Design	Molecular modeling, docking and pharmacophore	Dr. Sami Mukhopadhyay, Dr. Amit Bedi, NOVA lead Pharm pvt. Ltd. Pune	16	1,2,3,4,5,6,7 ,8,9,10,11
7	27/8/2019	Social Awareness	Cardiac Diseases and life style	Dr. Narayan Devgaonakar, Cardiologist,Nashik	72	1,2,3,5,6,7,8 ,9,11
8	13/9/2019	Career guidance	Modern methods of AI based assessments & recruitment	Mr. Saurabh P. Kerhalkar,	47	1,2,3,4,5,6,7 ,8,11
9	20/9/2019	Career guidance	Career guidance by universal foundation for competitive exams	Mr. Ram Khairnar, Universal foundation, Nashik	47	1,2,3,4,5,6,7 ,8,9,11
10	25/9/2019	Social awareness- Diet and disease management	Importance of right diet and role of bariatric surgery in weight reduction and little bit on management of endocrine disorders.	Dr.Jayant Wagh, Nashik	57	1,2,3,5,6,7,8 ,9,11
11	28/12/2019	Enzyme based Drug	Clinical pharmacology -	Dr. Aniruddha Amrute, (Alumni)Director	26	1,2,3,4,5,6,7 ,8,9,11

		Design	current research scenario abroad.	Clinical Pharmacology, Dicerna Pharamceuticals		
12	13/01/2020	Career guidance	Global research opportunity	Dr. Vaibhav Shantaram Gawali, Post doc. Fellow, at Cincinnati University, USA	71	1,2,3,4,5,6,7,8,9,11
13	18/01/2020	Social responsibility	De-addiction of Youth	Mr. Shivkumar Mahale, Prajapita Brahmakumari Nashik center	76	2,3,5,8
14	30/01/2020	Social Awareness	Meditation	Mr. Arun K. Burad, Nashik	31	2,3,5,8
15	04/02/2020	Career guidance	Career after B.Pharm	Siddharth Patil, Carrer Consultant, Surat	44	1,2,3,4,5,6,7,8,9,11
16	04/02/2020	Career guidance	Study abroad opportunities	Mr. Amit Gore, Akshay Abroad Consultant, Nashik	89	1,2,3,4,5,6,7,8,9,11
17	04/02/2020	Career guidance	Career opportunity in MBA	Dr. Bhalerao J.V. & Dr. V.Y. Ahire, MBA College, Panchavati, Nashik	34	1,2,3,4,5,6,7,8,9,11
18	25/09/2019	Social Awareness	First Aid- Road safety	Dr. Sanjay R. Dhurjad , consulting Orthopedic Surgeon, Sudarshan Hospital, Nashik	62	2,3,4,5,8
19	22/02/2020	Pharma Business Management	Audit @ pharmaceutical Industry	Anup Ashok shirude, Emcure Pharmaceuticals Pvt. Ltd.	22	1,2,3,4,5,6,7,8,9,11
20	27/02/2020	Pharma Business Management	Regulatory affairs	Mr. P.B. Bang, Unique Pharmaceutical Laboratories, Nani Daman, Gujrat	19	1,2,3,4,5,6,7,8,9,11
21	09/03/2020	Social Awareness womens Safety & self defence	Guidance for womens Safety & self defence	Speaker : Mrs. Gayatri Jadhav PSI (Nirbhya Unit-I)	50	5,8
22	12/05/2020	Career guidance	Career paths in clinical research	Mr. Sachin Tadge , General manager, Accutest Research Laboratories Pvt Ltd.	80	1,2,3,4,5,6,7,8,9,11

Note: Please mention *in detail* whether the Institution has given such inputs and suggestions to the Affiliating University regarding curricular gaps and possible addition of new content/add-on courses in the curriculum, to bridge the gap and to improve attain program outcome(s).

Teaching Staff members of all departments have participated in syllabus orientation program conducted by respective departments. Our Pharmacognosy department has organised syllabus orientation workshop sponsored by SPPU on 02/07/2020.

1.3. Adherence to Academic Calendar (10)

(Demonstrate notified academic calendar & its adherence)

In the beginning of academic year, Academic Incharge prepares an academic calendar to plan the academic activities to be carried out in the academic year on the basis of University circular. Principal, Vice principal, Head of the Departments take a review and finalize it. Number of days available for teaching excluding Holidays, Sundays and Examination days are specified in the calendar. Dates for conduction of internal theory and practical examinations are also specified. The planned dates are subject to change as per the University circular related to examinations. Subject Incharges (Course Incharges) prepare teaching plan adhering to the academic calendar. Other activities including various Seminars, Conferences, Annual Gathering Extra and co-curricular events, sports events are also planned in advance.

Academic Calendar-CAY(2021-22)

Year/ Sem	Date of Commencement		Practical sessional Exam		Theory Sessional Exam		Univ Practica l Exam	Univ Theory Exam
	Proposed	Actual	Proposed	Actual	Proposed	Actual	Actual	Actual
First Year B.Pharm, Sem I	03/1/2022	11/12/2021	25/10/2021 to 30/10/2021 15/11/2021 to 20/11/2021	24/1//2022 to 31/1/2022 18/2/2022 to 2/3/2022	18/10/2021 to 23/10/2021 08/11/2021 to 13/11/2021	24/1/2022 to 31/1//2022 18/2/2022 to 2/3/2022	10/3/2022 to 16/3/2022	21/3/2022 to 24/3/2022
First Year B. Pharm , Sem II	01/4/2022	25/3/2022	14/3/2022 to 19/3/2022 11/4/2022 to 16/4/2022	18/04/2022 to 23/04/2022 06/06/2022 to 13/06/2022	7/3/2022 to 12/3/2022 4/4/2022 to 9/4/2022	25/04/22 to 02/05/22 23/05/22 to 28/05/22	17/06/2022 onwards	17/06/2022 onwards

Second Year B. Pharm, Sem III	20/8/2021	23/8/2021	20/9/2021 to 25/9/2021 25/10/2021 to 30/10/2021	25/10/2022 to 28/10/2022 23/11/2022 to 26/11/2022	13/09/2021 to 8/09/2021 18/10/2021 to 3/10/2021	25/10/2022 to 28/10/2022 3/11/2022 to 26/11/2022	17/12/2021 to 23/12/2021 DSY 14/2/2022 to 18/2/2022	25/2/2022 to 2/3/2022
Second Year B. Pharm, Sem IV	15/11/2021	03/01/2022	14/03/2022 to 19/3/2022 11/4/2022 to 16/4/2022	28/03/22 to 1/04/22 25/04/22 to 30/04/22	7/3/2022 to 12/3/2022 4/4/2022 to 9/4/2022	21/3/2022 to 28/3/2022 02/05/22 to 07/05/22	17/05/22 to 22/05/22	01/06/22 onwards
Third Year B. Pharm, Sem V	15/6/2021	01/7/2021	30/8/2021 to 03/9/2021 11/10/2021 to 16/11/2021	18/10/2022 to 23/10/2022 25/10/2022 to 29/10/2022	23/08/2021 to 28/08/2021 04/10/2021 to 09/10/2021	18/10/2022 to 23/10/2022 25/10/2022 to 29/10/2022	16/12/21 to 23/12/21	15/2/2022 to 21/2/2022
Third Year B. Pharm, Sem VI	15/11/2021	03/01/22	14/3/2022 to 19/3/2022 11/4/2022 to 16/4/2022	28/03/22 to 30/03/22 25/04/22 to 30/04/22	7/3/2022 to 12/3/2022 4/4/2022 to 9/4/2022	21/3/2022 to 28/3/2022 02/05/22 to 09/05/22	17/05/22 to 22/05/22	01/06/22 onwards
Final Year B. Pharm, Sem VII	15/06/2021	01/07/2021	30/08/21 to 03/9/2021 11/10/2021 to 16/11/2021	18/10/2022 to 23/10/2022 25/10/2022 to 29/10/2022	23/08/2021 to 28/08/2021 04/10/2021 to 09/10/2021	18/10/2022 to 23/10/2022 25/10/2022 to 29/10/2022	27/12/2021 to 28/12/2021	15/2/2022 to 18/2/2022

Final Year B. Pharm, Sem VIII	15/11/2021	03/01/22	Not applicable	Not applicable	7/3/2022 to 12/3/2022 4/4/2022 to 9/4/2022	11/4/2022 to 18/4/2022 19/4/2022 to 23/4/2022, 02/05/22 to 07/05/22	Not applicable	01/06/2022 onwards
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Event	Proposed	Actual
<i>Extracurricular Events:</i>		
Induction Program for First Year B.Pharm	01/09/21 to 08/09/21	14/01/2022 to 18/1/2022
Ganpathi Celebrations	10/09/21 to 14/09/21	10/09/21 to 14/09/21
NSS Camp	01/01/22 to 08/09/22	Camp :04/01/2022 to 10/01/2022 at Chandashi
NPW- Event	20/01/22 to 27/09/22	Not conducted due to Covid
Annual Gathering	14/03/22 to 20/03/22	Pandemic
<i>Co-curricular Events:</i>		
Guest Lectures/ Industrial and Hospital Visits	Throughout the academic year	Throughout the academic year
SPPU sponsored seminars		Personality development workshop(NSS)17/03/22
Skill Development (Mahindra Pride, Nandi Foundation)	July-2021 to March 2022,online mode	July-2021/ March 2022 online mode.

Academic Calendar- CAYm1 (2020-21)

Year/ Sem	Date of Commencement		Practical sessional Exam		Theory Sessional Exam		Univ Practical Exam	Univ Theory Exam
	Proposed	Actual	Proposed	Actual	Proposed	Actual	Actual	Actual
First	01/9/2020	15/01/2021	28/09/2020	31/3/2021	05/10/2020	23/3/202	17/5/202	10/05/20

Year B.Pharm, Sem I			to 03/10/2020 26/10/2020 to 31/10/2020	to 7/4/2021 (both)	to 10/10/2020 02/11/2020 to 09/11/2020	1 to 30/3/2021 1 (both)	1 to 25/5/2021	21 to 16/05/2021
First Year B. Pharm, Sem II	03/1/2021	27/05/2021	13/03/2021 to 20/03/2021 05/04/2021 to 10/04/2021	14/06/2021 to 21/6/2021 only one sessional conducted	22/03/2021 to 27/03/2021 12/04/2021 to 17/04/2021	14/6/2021 to 21/6/2021 1 only one sessional conducted	22/6/2021 to 25/6/2021 1	17/08/2021 to 21/08/2021
Second Year B. Pharm, Sem III	01/8/2020	22/06/2020	28/09/2020 to 03/10/2020 26/10/2020 to 31/10/2020	12/10/2020 to 15/10/2020 3/11/2020 to 6/11/2020	05/10/2020 to 10/10/2020 02/11/2020 to 09/11/2020	07/10/2020 to 10/10/2020 3/11/2020 to 6/11/2020	21/5/2021 to 25/5/2021	16/04/2021 to 19/04/2021
Second Year B. Pharm, Sem IV	03/1/2021	01/01/2021	13/03/2021 to 20/03/2021 05/04/2021 to 10/04/2021	7/06/2021 to 11/06/2021 Th,Pr conducted on same day only one sessional SY,T.Y.Fin al	22/03/2021 to 27/03/21 12/04/2021 to 17/04/2021	07/06/2021 to 11/06/2021 only one sessional conducted	7/06/2021 to 11/06/2021	06/08/2021 to 10/08/2021
Third Year B. Pharm, Sem V	01/8/2020	22/06/2020	28/09/2020 to 03/10/2020 26/10/2020 to 31/10/2020	12/10/2020 to 14/10/2020 2/11/2020 to 6/11/2020	05/10/2020 to 10/10/2020 02/11/2020 to 09/11/2020	06/10/2020 to 10/10/2020 2/11/2020 to 6/11/2020	30/04/2021 to 05/05/2021	18/04/2021 to 23/04/2021
Third Year B. Pharm, Sem VI	15/11/2021	01/01/2021	13/03/2021 to 20/03/2021 05/04/2021 to	7/6/2021 to 12/6/2021 (both)	22/03/2021 to 27/03/2021 12/04/2021	7/6/2021 to 12/6/2021 (both)	14/06/2021 to 21/06/2021	04/08/2021 to 09/08/2021

			10/04/2021		to 17/04/2021 14/06/2021 to 21/06/2021			
Final Year B. Pharm, Sem VII	01/08/2020	22/06/2020	26/10/2020 to 31/10/2020	02/11/2020 to 09/11/2020	02/11/2020 to 09/11/2020	2/11/2020 to 06/11/2020	30/04/2021 to 05/05/2021	20/04/2021 to 27/04/2022
Final Year B. Pharm, Sem VIII	15/11/2021	01/01/2021	13/03/2021 to 20/03/2021	5/6/2021 to 12/6/2021	22/03/2021 to 27/03/2021 1	5/6/2021 to 10/6/2021	14/06/2021 to 21/06/2021	17/07/2021 to 23/07/2021

Event	Proposed	Actual
<i>Extracurricular Events:</i> Induction Program for First Year B.Pharm Ganpathi Celebrations Freshers Party NPW- Event Annual Gathering	01/09/20 22/08/20 01/09/20 24/01/21 to 30/01/21 23/03/21 to 28/01/21	16/02/21 Not conducted due to pandemic Covid -19.
<i>Co-curricular Events:</i> Guest Lectures/ Industrial and Hospital Visits SPPU sponsored seminars	Throughout the academic year July-2020/ March 2021	Throughout the academic year July-2021/ March 2022 online mode. Syllabus orientation workshop 02/07/20(online)

Academic Calendar- CAYm2 (2019-20)

Year/ Sem	Date of commencement		Practical sessional Exam		Theory Sessional Exam		Univ Practical Exam	Univ Theory Exam
	Proposed	Actual	Proposed	Actual	Proposed	Actual	Actual	Actual
First Year B.Pharm, Sem I	15/6/2019	01/8/2019	16/9/2019 to 21/09/19 09/10/2019 to 15/10/19	16/9/2019 to 1/09/2019 21/10/2019 to 26/10/19	23/9/2019 to 28/09/2019 16/10/2019 to 22/10/2019	23/9/2019 to 28/09/2019 12/10/2019 to 19/10/2019	21/11/2019 to 30/11/2019	02/12/2019 to 10/12/2019
First Year B. Pharm, Sem II	20/11/2019	30/12/2019	14/3/2020 to 21/3/2020 04/4/2020 to 11/4/2020	24/2/2020 to 28/2/2020 27/5/2020 to 01/06/2020	23/03/2020 to 28/03/2020 13/04/2020 to 18/04/2020	02/03/2020 to 09/03/2020 18/05/2020 to 26/05/2020	Not conducted due to Covid pandemic	Not conducted due to Covid pandemic
Second Year B. Pharm, Sem III	15/6/2019	15/6/2019	16/9/2019 to 21/09/19 09/10/2019 to 15/10/2019	16/09/2019 to 21/09/19 21/10/2019 to 26/10/19	23/09/2019 to 28/9/2019 16/10/2019 to 22/10/2019	23/09/2019 to 28/09/2019 12/10/2019 to 19/10/2019	21/11/2019 to 30/11/2019	02/12/2019 to 28/12/2019
Second Year B. Pharm, Sem IV	20/11/2019	30/12/2019	14/3/2020 to 21/3/2020 04/4/2020 to 11/4/2020	24/2/2020 to 28/2/2020 27/05/2020 to 30/05/2020	23/3/2020 to 28/3/2020 13/4/2020 to 18/4/2020	2/3/2020 to 09/3/2020 18/05/2020 to 22/05/2020	Not conducted due to Covid pandemic	Not conducted due to Covid pandemic
Third Year B. Pharm	15/06/2019	15/06/2019	09/10/2019 to 15/10/2019	16/09/2019 to 21/09/2019	16/10/2019 to 23/10/2019	23/9/2019 to 28/9/2019	21/11/2019 to 30/11/2019	02/12/2019 to 28/12/2019

, Sem V								
Third Year B. Pharm , Sem VI	20/11/2019	30/12/2019	04/04/2020 to 13/4/2020	27/05/2020 to 01/6/2020	13/4/2020 to 18/4/2020	18/5/2020 to 26/5/2020	Not conducted due to Covid pandemic	Not conducted due to Covid pandemic
Final Year B. Pharm , Sem VII	15/6/2019	15/6/2019	09/10/2019 to 15/10/19	16/09/2019 to 21/09/19	16/10/2019 to 23/10/2019	23/9/2019 to 28/9/2019	21/11/2019 to 30/11/2019	02/12/19 to 28/12/19
Final Year B. Pharm , Sem VIII	20/11/19	30/12/19	04/04/20 to 13/04/20	27/5/2020 to 01/6/2020	13/04/20 to 18/04/20	18/5/2020 to 26/5/2020	17/9/20 to 22/9/20	20/10/2020 to 27/10/2020

Event	Proposed	Actual
<i>Extracurricular Events:</i> Induction Program for First Year B.Pharm Ganpathi Celebrations Freshers Party NSS-Event NPW- Event Annual Gathering-MGV Mahotsav	01/08/2019 02/09/19 04/09/2019 04/01/2020 to 10/01/2020 22/01/20 to 27/01/20 12/03/20 to 17/03/20	1/08/2019 to 23/08/19 02/09/19 to 09/09/19 04/09/2019 04/01/2020 to 10/01/2020 21/01/20 to 27/01/20 12/03/20 to 14/03/20 further programs not conducted due to covid pandemic
<i>Co-curricular Events:</i> Guest Lectures SPPU sponsored seminars	Throughout the academic year July-2019 to March 2020.	Throughout the academic year July-2019 to March 2020

2.2 Teaching-Learning Processes(110)

2.2.1 Initiatives in teaching and learning process(25)

(Implemented teaching-learning process and Initiatives in improving instruction methods, using real world examples, collaborative learning, the quality of laboratory experiments with regard to conduct, record observations, analysis, Feedback collection process; collection, analysis and action taken etc. encouraging bright students, assisting weak students etc. The initiatives, implementation details and impact analysis need to be documented)

In Mahatma Gandhi Vidyamandir's Pharmacy College, Panchavati, Nashik, the teaching learning process begins with Induction Program for First Year B.Pharm students. This enables students to orient themselves towards professional education.

A. *Use of various instructional methods and pedagogical initiatives*

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

Some of the measures taken are:

- LMS (Learning Management system) through Google Classroom has been adopted with google meet, zoom, webex, teachmint platforms for online interaction during Covid--19 pandemic. Multimedia elements such as you tubes, audio recorded PPT, power point presentations, videos, animations, online tests have been widely used. Learning engagement and understanding are evaluated by other tools such as Kahoot, Socrative, Quizz.com, Teachmint, Test Moz, etc. Various forms of learning have been implemented during COVID phase- Active/Passive/ Experiential/ Participative/ Peer / Self/ Collaborative learnings.
- E-Content of syllabi developed by teachers at institute level. Teachers have prepared e-content PPT , Audio recorded PPT, you-tube videos on the prescribed syllabus. A google link has been developed wherein at present all the students of pharmacy colleges of MGVS trust can have access to it.
- Other practices such as demonstration using models, charts, flash cards, botanical cards, flow charts, live specimens, using simulation models, innovative visual aids, are adopted depending upon the curriculum and its scope.
- Other than these common strategies; course-wise techniques are adopted by the subject teachers to inculcate enthusiasm in their subject. Guest lectures of experts from respective fields, field visits, industrial visits, hospital visits, surveys are arranged to update knowledge of students as per current status. Inter-national level, State level conferences, seminars (SPPU Sponsored) are arranged in College.

B. *Methodologies to support weak students and encourage bright students*

- The weak and bright students are identified based on result analysis, interactions during classroom sessions and observations during practicals.

- A list of weak students is identified to form Remedial study club in each class. Weak students are counselled by subject incharges, class teachers and mentors. They discuss on studying tips, self-motivation, and dedication to encourage them to improve performance thus creating an ambience of feel free approach with faculty to solve any doubts at any time.

Based on their performance in academic year (CGPA), or having a special dimension of learning skills; bright students are ranked as first, second and third for each academic year. Their names are displayed on notice Board, news along with photographs is given in local newspaper. Their success acknowledgment is taken in college magazine. These students are felicitated by management in CDC meetings, Annual Gathering or on any special occasion. Students showing an aptitude for specific subject are encouraged to prepare projects and present those projects at various seminars or conferences. They are motivated to participate in various inter-college and intra-college competitions.

For advanced learners college conducts regular-(weekly basis) test series for preparation of GPAT, the competitive examination for admission for M.Pharm, **MGV's PAT Series**, and after every test series- toppers are identified. Also for their further guidance guest lectures regarding GPAT and TOFEL are arranged. GPAT qualified students of Final Year interacted with T.Y.B.Pharm students to guide them for preparation for GPAT examination.

- Online quiz competition for B. Pharm. students was conducted on 28/04/2020 i.e. in lockdown period to inspire students towards studies and make their lockdown interesting. Topper of each class was rewarded with cash prize Rs. 1000/-
- An online survey (questionnaire in google form) regarding COVID pandemic was conducted to generate social awareness.
- Model, poster, label making competition was conducted on occasion of World Pharmacist Day 25th September 2021 to promote innovative ideas and creativity amongst students. About 77 students participated in it. They were given prizes first, second, third (cash prize and certificates). All participants were given participation certificates. Start up innovation cell conducted inhouse competitions in academic year 2019-20, 20-21 and 21-22. Students were directed to participate at university level (Hackathon competitions) as well as national level (AICTE Chatra Vishwakarma) as per their topics.

All B.Pharm students are kept engaged by making them follow the schedule strictly as displayed in the time table. The teaching process has a blend of concepts and applications based delivery mode both in theory and practical sessions. The continuous assessment during the practical session includes parameters which evaluates the affective, cognitive domains of knowledge and psychomotor skills of individual students. Regular feedback is collected from the students at the end of each semester about the delivery of teaching process. Such feedback helps in improving the capability of teachers. Students are appreciated for their academic excellence in each semester.

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

2019 Pattern

As per the SPPU syllabus (**2019 pattern**), the percentage of marks for Semester and Internal examination is 75% and 25% respectively (theory) and the percentage of marks for Semester and Internal examination is 70% and 30% respectively (Practical) .

For internal 30 marks theory, the pattern for sessional question paper as per guidelines of SPPU is as follows. Avg of both sessional is calculated. It is converted for 15 marks to which continuous assessment 10 marks (attendance and academic activities (8 mks) and student-teacher interaction (2 marks)) are added to . Total=25 marks

Q.1 Objective Type Questions (Answer 5 out of 7) = $05 \times 2 = 10$

Q. 2 Long Answers (Answer 1 out of 2) = $1 \times 10 = 10$

Q. 3 Short Answers (Answer 2 out of 3) = $2 \times 5 = 10$

Total = 30 marks

However during COVID pandemic situation, multiple type of MCQs (simple type, choose the right order, match, assertion and reasoning etc) were designed for 30 mks and then converted to 15 marks.

This is uniformly followed by each subject incharge and verified by College Examination Officer (CEO) and Exam Incharge.

Sessional exam for practical is conducted for 40 marks and is computed for 10 marks, Continuous assessment for practicals 05 marks is done as attendance-02marks, Practical Record, viva voce-03marks. (Total =15 marks)

The pattern for sessional practical examination as per guidelines of SPPU is as follows.

Q.1 Synopsis = 10

Q.2 Experiments = 25

Q.3 Viva voce = 05

Total = 40 marks (converted to 10 marks). This is added to 5 marks (for attendance, practical records, viva voce etc)

This is uniformly followed by each subject incharge and verified by College Examination Officer (CEO) and Exam Incharge.

2018 Pattern

As per the SPPU syllabus (**2018 pattern**), the percentage of marks for Semester and Internal examination is 75% and 25% respectively (theory) and the percentage of marks for Semester and Internal examination is 70% and 30% respectively (Practical) . For internal 30 marks theory, the pattern for sessional question paper as per guidelines of SPPU is as follows.

Q.1 Multiple Choice Questions (MCQs) = $10 \times 1 = 10$

OR

Objective Type Questions (5×2) = $05 \times 2 = 10$ (Answer all the questions)

Q. 2 Long Answers (Answer 1 out of 2) = $1 \times 10 = 10$

Q. 3 Short Answers (Answer 2 out of 3) = $2 \times 5 = 10$

Total = 30 marks

This is uniformly followed by each subject incharge and verified by College Examination Incharge (CEO) and Exam Incharge.

Sessional exam for practical is conducted for 40 marks and is computed for 10 marks, Continuous assessment for practicals 05 marks is done as attendance-02marks, Practical Record, viva voce-03marks.

The pattern for sessional practical examination as per guidelines of SPPU is as follows.

Q.1 Synopsis = 10

Q.2 Experiments = 25

Q.3 Viva voce = 05

Total = 40 marks

This is uniformly followed by each subject incharge and verified by College Examination Officer (CEO) and Exam Incharge.

As per the SPPU syllabus (**2015 pattern**), the percentage of marks for Semester and Internal examination is 60% and 40% respectively.

For internal 40 marks theory, Assignment is conducted for 10 marks, MCQ Pattern Question paper for 10 marks and sessional examination is conducted for 20 marks, the pattern for sessional question paper as per guidelines of SPPU is as follows.

Q.1 Attempt Three out of Five = 3×2 Marks = 6 Marks,

Q.2 Attempt Two out of Three = 2×4 Marks = 8 Marks,

Q.3 Attempt One out of Two = 1×6 Marks = 6 Marks

Total marks = 20 Marks

This is uniformly followed by each subject incharge and verified by College Examination Officer (CEO) and Exam Incharge. MCQ are designed as per GPAT pattern.

For internal 40 marks Practical, Assignment is conducted for 10 marks (with relevance to course and program outcomes), Continuous assessment is carried out for affective domain, cognitive skills and psychomotor skills. Continuous assessment for practicals 10 marks is done under five heads attendance, journal, viva/synopsis, performance and result for regular practicals. Practical sessional examination is conducted for 20 marks, the pattern for sessional practical examination as per guidelines of SPPU is as follows.

For Practical

Q.1 Synopsis and viva voce=6 Marks

Q.2 Experiments=10Marks

Q.3Journal=4Marks

Total = 20 Marks

This is uniformly followed by each subject incharge and verified by College Examination Officer (CEO) and Exam Incharge.

Pattern	University		Sessional	
	Theory	Practical	Theory	Practical
2019 pattern	75 mks	35 mks	25 mks	15 mks
	<p>Objective Type Questions (10 x 2) = 10 x 2 = 20 (Answer all the questions)</p> <p>II. Long Answers (Answer 2 out of 3) = 2 x 10 = 20</p> <p>III. Short Answers (Answer 7 out of 9) = 7 x 5 = 35</p> <p>Total = 75 marks</p>	<p>Synopsis-05 mks</p> <p>Experimentst- 25 mks</p> <p>Viva -05 mks</p> <p>Total = 35 marks</p>	<p>Objective Type Questions (5 x 2) = 05 x 2 = 10 (Answer all the questions)</p> <p>Long Answers (Answer 1 out of 2) = 1 x 10 = 10</p> <p>Short Answers (Answer 2 out of 3) = 2 x 5 = 10</p> <p>Total = 30 marks (Avg of both sessionals converted to 15)</p> <p>Attendance =4</p> <p>Academic activities=4</p> <p>Student – Teacher interaction=2</p> <p>#Total=25 (15+10)</p>	<p>Synopsis-10 mks</p> <p>Experiment- 25 mks</p> <p>Viva -05 mks</p> <p>Total 40 (Avg of both sessional converted to 10)</p> <p>Continuous assesment</p> <p>Attendance=2</p> <p>Based on Practical Records, Regular viva voce, etc.=3</p> <p># Total =15 (10+5)</p>
2018 pattern,	75 mks	35 mks	25 mks	15 mks
	<p>I. Multiple Choice Questions(MCQs) = 20 x 1 = 20</p> <p>OR</p> <p>Objective Type</p>	<p>Synopsis-05 mks</p> <p>Experimentst- 25 mks</p> <p>Viva -05 mks</p>	<p>Multiple Choice Questions (MCQs) = 10 x 1 = 10</p> <p>OR</p> <p>Objective Type Questions</p>	<p>Synopsis-10 mks</p> <p>Experimentst- 25 mks</p> <p>Viva -05 mks</p> <p>Attendance=2</p>

	<p>Questions (10 x 2) = 10 x 2 = 20 (Answer all the questions)</p> <p>II. Long Answers (Answer 2 out of 3) = 2 x 10 = 20</p> <p>III. Short Answers (Answer 7 out of 9) = 7 x 5 = 35 Total = 75 marks</p>		<p>(5 x 2) = 05 x 2 = 10 (Answer all the questions)</p> <p>Long Answers (Answer 1 out of 2) = 1 x 10 = 10</p> <p>Short Answers (Answer 2 out of 3) = 2 x 5 = 10 Total = 30 marks</p> <p>Attendance =4</p> <p>Academic activities=3</p> <p>Student – Teacher interaction=3</p> <p>#Total=25 (15+10)</p>	<p>Based on Practical Records, Regular viva voce, etc.=3</p> <p># Total =15 (10+5)</p>
2015 pattern	60 mks	60 mks	40 mks	40 mks
	<p>Long answer questions</p> <p>Short answer questions</p>	<p>Synopsis-10 mks</p> <p>Major Expt- 25 mks</p> <p>Minor Expt-15 mks</p> <p>Viva -10 mks</p>	<p>Assignment-10 mks</p> <p>MCQ-10 mks</p> <p>Very short answer questions-06 mks</p> <p>Short answer questions-08 mks</p> <p>Long answer questions-06 mks</p>	<p>Assignment-10 mks</p> <p>Synopsis& Viva-06 mks</p> <p>Expt- 10 mks</p> <p>Journal- 04 mks</p> <p>Continuous assessment-10 mks</p>

The Process of setting the internal sessional paper and compliance:

- An internal meeting of student program committee members is conducted before the internal exam for confirming the syllabus completion.
- The subject incharge sets the question paper by mapping with the respective course outcomes. The paper is then subjected to the department HOD for verification of coverage of COs of the course and quality of questions.
- While setting the MCQs (2015 Pattern) 4 sets of papers are prepared. MCQ are designed as per GPAT pattern.
- Sessional question papers are framed as per guidelines of SPPU, Questions are framed by referring question papers of external (semester/annual exam of SPPU) exam. Overall the quality of all question papers set is good. Assignment questions are given to promote self learning using multiple sources.

- The expected model answers of internal sessional question papers are discussed with students before showing the evaluated answer papers.
- While setting the internal examination question paper (2018 Pattern), examiner has choice to opt MCQ or Objective questions for 10 marks if MCQ is opted, 4 sets of papers are prepared. Questions are designed as per GPAT pattern.

2.2.3 Quality of Students projects(15)

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

Type of projects	Number of projects in CAY /CAYm1/ CAY m2	Impact Analysis	Relevance to PO
Practice School projects: Students of Final year B.Pharm were assigned review based projects for the subject Practice school as per the syllabus of SPPU. The projects were evaluated by subject incharges.	390/28/08	The students have learnt that how research work is carried out by doing literature survey and how to work for research and present their work in a compiled format.	1,2,10
Others-All students of F.Y/. S.Y/. T.Y.B.Pharm were assigned review based Projects. Bright students were motivated to participate in seminars, conferences, competitions held inhouse and outside		Students developed ability to think critically, apply them practically and develop leadership qualities and communication skills. In some case the project work has also been published in research journals.	2,3,4,5,6,8,10,11

institutes to present minor research projects. Interested students were guided by staff for preparation and presentation of project work.			
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CAY(2021-22)

Students are given Practice school projects or other projects that stimulate their cognitive faculties under the guidance of staff. The details are given below.

Students of Final year B.Pharm were assigned review based projects for the subject Practice school in VII th sem and Experimental based projects as project work in VIII th Sem as per the syllabus of SPPU.

Roll No.	Name of student	Topic of Practice School	Topic for Project
1	Achane Ashok P.	Transdermal drug delivery system	Survey of novel drug delivery system
2	Ahire Darshan Satish	Nasal Drug Delivery System	Survey of Novel Drug Delivery System
3	Bachhav Harshal Arun	Adverse drug reaction	Formulation and evaluation of sodium bicarbonate ear drop BP
4	Badhan Prafulla Manohar	Adverse drug reaction	Formulation and evaluation of magnesium hydroxide suspension BP
5	Bagul Nishali Vikas	Method for Determination of Antioxidant Activity	In vitro Antioxidant Activity
6	Bhadane Rushikesh	Medicinal properties and Pharmacological activity of	Evaluation of Total polyphenolic, Flavonoids, Flavanols and antioxidant

	Bhila	cinnamon :A Review	activity of Carica Papaya
7	Bhagure Darshana R.	Solubility Enhancement Technique for BCS class II and BCS class IV drugs by crystal engineering	To enhance solubility of aceclofenac drug by mixed hydrotropy concept
8	Bhosale Prachi P.	Nutraceuticals and its impact on healthcare	Herbal hand sanitizer
9	Bhoye Surendra Hiranman	Capsules	Evaluation of (Conventional and Gastroretentive) Marketed Tablet formulation and its Comparison
10	Bhoye Punaji Ashok	natural food colourants	Extraction of Carica papaya leaf
11	Bonde Ketki Prashant	Medicinal properties and Pharmacological activity of Papaya (Carica Papaya) :A Review	Evaluation of Total polyphenolic, Flavonoids, Flavanols and antioxidant activity of Carica Papaya
12	Borade Nikita Jagannath	Standardization and HPTLC of Crocus Sativus (saffron)	Evaluation of Total polyphenolic, Flavonoids, Flavanols and antioxidant activity of Carica Papaya
13	Borade Satyaajeet Sunil	Medicinal activity and pharmacological activity of coriander:A Review	Evaluation of Total polyphenolic, Flavonoids, Flavanols and antioxidant activity of Carica Papaya
14	Boraste Sakshi Ramesh	Solubility Enhancement Technique for BCS class II and BCS class IV drugs by particle size reduction and salt formation methods	To enhance solubility of Aceclofenac drug by mixed hydrotropy concept
15	Chaure Arpita Prabhakar	Solubility Enhancement Technique for BCS class II and BCS class IV drugs by Cosolvency and Solid Dispersion Techniques	To enhance solubility of Aceclofenac Drug by mixed hydrotropy concept
16	Chavan Nandini Sanjay	Solubility Enhancement Technique for BCS class II and BCS class IV drugs by Complex formation and Hydrotropy Techniques	To enhance solubility of Aceclofenac drug by mixed hydrotropy concept

17	Chune Rohit Anantchand	Solubility Enhancement Technique for BCS class II and BCS class IV drugs by Surfactant.	To enhance solubility of Aceclofenac drug by mixed hydrotropy concept
18	Deore Rahul Sharad	Adverse drug reaction reporting	Formulation and evaluation of Magnesium trisilicate suspension
19	Deshmukh Shubham H.	Adverse drug reaction	Formulation and evaluation of Calamine lotion
20	Dhakrao Shubham Vijay	Adverse drug reaction	Formulation and evaluation of Paracetamol tablet IP
21	Dhumal Gaurav Tukaram	Pathophysiology, Diagnosis, Treatment and Prevention of SARS CoV-2	A Cross Sectional Study of Laboratory Confirmed COVID-19 Cases in Nashik District
22	Gaikwad Ashutosh Sunil	Pathophysiology, Diagnosis, Treatment and Prevention of SARS CoV-2	A Cross Sectional Study of Laboratory Confirmed COVID-19 Cases in Nashik District
23	Gaikwad Niyati Nivrutti	Pathophysiology, Diagnosis, Treatment and Prevention of SARS CoV-2	A Cross Sectional Study of Laboratory Confirmed COVID-19 Cases in Nashik District
24	Gaikwad Pradnya R.	Pathophysiology, Diagnosis, Treatment and Prevention of SARS CoV-2	A Cross Sectional Study of Laboratory Confirmed COVID-19 Cases in Nashik District
25	Gangurde Chetna Y.	Pathophysiology, Diagnosis, Treatment and Prevention of SARS CoV-2	A Cross Sectional Study of Laboratory Confirmed COVID-19 Cases in Nashik District
26	Gangurde Sayali Bharat	Validation of analytical method by UV method	Validation by analytical method by UV using Ketoprofen drug
27	Gawali Manjiri C.	Validation of analytical methods by HPLC	Validation by analytical method by UV using ketoprofen drug
28	Gharate Sachin Gajanan	validation of analytical method by HPTLC Method	Validation by analytical method by UV using ketoprofen drug
29	Goswami	validation of analytical method by	Validation by analytical method by UV

	Madhuriben B.	USP ketoprofen drug	using ketoprofen drug
30	Holkar Akanksha Sanjay	Development and characterization of floating matrix tablet	Development And Evaluation Of Diclofenac Sodium Floating Tablet
31	Jadhav Abhishek S.	Development and Characterization of Floating Microspheres	Development And Evaluation Of Diclofenac Sodium Floating Tablet
32	Jadhav Sarthak P.	Development And Characterization Of Gastroretentive Drug delivery systemby using Natural Polymers.	Development And Evaluation Of Diclofenac Sodium Floating Tablet
33	Jadhav Sumit Sirish	Gastroretentive Drug Delivery System By Using Bioadhesive Polymers	Development And Evaluation Of Diclofenac Sodium Floating Tablet
34	Jagdale Hrushikesh Y.	Method for Determination of Antioxidant Activity	In vitro Antioxidant Activity
35	Jagdale Sangram J.	Method for Determination of Antioxidant Activity	In vitro Antioxidant Activity
36	Joshi Payal Shashikant	Method for Determination of Antioxidant Activity	In vitro Antioxidant Activity
38	Khairnar Abhijit Kailas	Diabetes and it's Treatment, Prevention And Patient Education	Formulation And Evaluation of Herbal Hand Sanitizer
39	Khambekar Divya P.	Solubility Enhancement techniques	Formulation and Evaluation of Herbal Hand Sanitizer
40	Khandwe Akanksha M.	Pharmacogenomic approach to Type 2 DM and potential novel targets	Formulation and Evaluation of Herbal Hand sanitizer
41	Kulkarni Deepak Umesh	Review on Covid-19. Pathogenesis and Treatment	Formulation and Evalution of Herbal hand Sanitizer Gel.
42	Magar Kaustubh Anil	Parental preparation	Evaluation of (Conventional and Gastroresistant) Marketed Tablet formulation and it's Comparision
43	Mahajan Gayatri	Tablet and It's Novel Approaches	Evaluation of (Conventional and Gastroresistant) Marketed Tablet

	Megharaj		formulation and it's Comparision
44	Mandawade Shubham A.	Ophtalmic Preprations	Evaluation of (Conventional and Gastroresistant) Marketed Tablet formulation and it's Comparision
45	Manjrekar Dikshita M.	Liquid orals and It's Novel Approaches	Evaluation of (Conventional and Gastroresistant) Marketed Tablet formulation and it's Comparision
46	More Akanksha Manoj	A Review on Serial Exhaustive Extraction methods	Phytoconstituents Investigation of Physallis minima Linn
47	Nathe Sneha Hiranman	A Review on Serial Exhaustive Extraction methods	Phytoconstituents Investigation of Physallis minima Linn
48	Pangavhane Rutuja R.	A Review on Serial Exhaustive Extraction methods	Phytoconstituents Investigation of Physallis minima Linn
49	Pardeshi Raj Jayant	A Review on Serial Exhaustive Extraction methods	Phytoconstituents Investigation of Physallis minima Linn
50	Pawar Abhishek M.	A Review on Serial Exhaustive Extraction methods	Phytoconstituents Investigation of Physallis minima Linn
51	Pawar Sakshi Arun	Validation of analytical method as per ICH guidelines	Validation of analytical method by UV method ketoprofen
52	Pawar Rutuja Dattatray	Nanocapsule	Nasal Drug Delivery system
53	Pekhale Shubham B.	Ocular Drug Delivery system	Nasal Drug Delivery system
54	Rathod Ajaykumar K.	Transdermal Drug Delivery system	Nasal Drug Delivery system
55	Rathod Kajal Tulshidas	Transdermal Drug Delivery system	Nasal Drug Delivery system
56	Rote Prajakta Balasaheb	Types of Tablets	Nasal Drug Delivery system
57	Sahane Mayuresh	Development and Characterization	Development and Evaluation Of

	Suresh	Of Floating Granules	Diclofenac Sodium Floating Tablet
58	Shete Atharva Suresh	Pharmacovigilance of COVID-19 Vaccines	Survey on Pharmacovigilance of COVID 19 Vaccines
59	Shinde Prajwal Sanjay	Pharmacovigilance of COVID-19 Vaccines	Survey on Pharmacovigilance of COVID 19 Vaccines
60	Shinde Shekhar Chhagan	Pharmacovigilance of COVID-19 Vaccines	Survey on Pharmacovigilance of COVID-19 vaccines
61	Shroff Rikesh Mukesh	Pharmacovigilance of COVID-19 Vaccines	Survey on Pharmacovigilance of COVID-19 Vaccines
62	Siddiquee Khadija A.	Introduction to Clinical Trails in Drug Development Process	Clinical Trials
63	Sonawane Vaishnavi B.	Clinical Trials and Covid -19 Vaccines	Survey on antiviral drugs used in COVID-19
64	Suthar Sunil Umedmal	Review on 5-Lipoxygenase Inhibitors	Survey on antiviral drugs used in COVID-19
65	Tadakhe Vaishnavi S.	To study the pharmacognostic and phytochemical screening of Phaseolus vulgaris L.	To study the pharmacognostic and phytochemical screening of Phaseolus vulgaris L.
66	Tarle Sakshi Bhausahab	To study the pharmacognostic and phytochemical screening of Phaseolus vulgaris L.	To study the pharmacognostic and phytochemical screening of Phaseolus vulgaris L.
67	Tarle Tushar Ramdas	To study pharmacognostic and phytochemical screening of seeds of Phaseolus vulgaris	To study pharmacognostic and phytochemical screening of seeds of Phaseolus vulgaris
68	Thakare Priyanka V.	To study pharmacognostic and phytochemical screening of seeds of Phaseolus vulgaris	To study pharmacognostic and phytochemical screening of seeds of Phaseolus vulgaris
69	Ushir Rutuja Raosaheb	To study pharmacognostic and phytochemical screening of seeds of Phaseolus vulgaris	To study the pharmavognostic and phytochemical screening of seeds of Phaseolus vulgaris
70	Vetal Umesh	Targeted drug delivery system	Survey for novel drug delivery system

	Kailas		
71	Wagh Komal Kailas	Gastroretentive Drug delivery system	Literature survey of Gastroretentive Drug delivery system
72	Wani Shubham Kiran	Nanoparticulate Drug Delivery system: A novel approach	Survey for novel drug delivery systems

T. Y.B.Pharm students are assigned project on topic-Remdesivir -Antiviral agent.S.Y.B.Pharm Division I students are assigned project on principle and applications of Covishelf S.Y.B.Pharm Division II students assigned project on principle and applications of RTPCR. First Year B.Pharm Division I students are assigned project on Sustainable energy resources. First Year B.Pharm Division II students assigned project on Pollution and role of responsible citizen in controlling pollution.

S.Y.B.Pharm,T.Y.B.Pharm and Final year B.Pharm students were assigned review based projects under guidance of the teaching staff members for enrichment of their knowledge and create awareness regarding topics.

Sr. No.	Class	Name of students	Title of Project
1.	S.Y.B.Pharm	Kartiki Aher, Mariya Babbar, Shreya Dandgavhal	Early and common limitation related to existing dosage form
2.	S.Y.B.Pharm	Abhishek Bhosale, Omkar Burhade, Girish Chordiya	Effect of online market on retail and wholesale pharmacy
3.	S.Y.B.Pharm	Yash Deshmukh, GayatriAhire, Jayant Changale, Lokesh Bhambare, Nishant Aher	Overview on Pharmacy Industry
4.	S.Y.B.Pharm	Payal Barte	Nanoparticle
5.	S. Y. B. Pharm	Rohit Pardeshi, Kalyani Paraste, Akib Pathan, Dyneshwari Patil, Shriraj Patil	Pharmaceutical Industries (MNC) and Their Top Brand Products
6.	S. Y. B. Pharm	Smital Patil, Tejal Patil, Harshada Pawar, Kartik Pawar, Nikita Pawar	Skin-Model and Report
7.	S. Y. B. Pharm	Prajwal Pawar, Pranjali Pawar, Saloni Pipada, Saurabh Pondkule, Harshdeep Pund	Digestive System-Model and Report
8.	S. Y. B. Pharm	Anjali Rajput, Dinesh Revgade, Rohit Gemji, Sanchi Sadaphule, Chetna Salve	Normal Measures of Human Body

9.	S. Y. B. Pharm	Kartiki Aher, Mariya Babbar, Shreya Dandgavhal	Early and common limitation related to existing dosage form
10.	S. Y. B. Pharm	Abhishek Bhosale, Omkar Burhade, Girish Chordiya	Effect of online market on retail and wholesale pharmacy
11.	S. Y. B. Pharm	Yash Deshmukh, Gayatri Ahire, Jayant Changale, Lokesh Bhambare, Nishant Aher	Overview on Pharmacy Industry
12.	S. Y. B. Pharm	Payal Barte	Nanoparticle
13.	S.Y.B.Pharm	Ritesh Sapkal, Mansi Suryavanshi, Vedant Sawale, Swamini Surve	Role of medicinal plants in Pharmacy
14.	S.Y.B.Pharm	Gauri Shelar, Sanjyot Shelke, Shivani Paspohe, Ankita Sassane, Mayuri Shikhre	Green Pharmacy
15.	S.Y.B.Pharm	Smita Shinde, Sakshi Shinde	Roles of Herbs during Covid 19
16.	T.Y. B. Pharm	Saurabh Mankar Nisha Mehra, Sakshi Mokate, Dhanashree Mokate, Tanuja Pagar, Pooja Pakhale, Pratiksha Palavi	Newer development in antivirals
17.	Final Year B.Pharm	Kajal Rathod	Pharmaceutical Suspensions
18.	Final Year B.Pharm	Shubham Pekhale	Pharmaceutical Dosage form
19	Final Year B.Pharm	Manjiri Gawali	Vaccines (Indian and foreign both, with description)

- For 2021-22 competition under **Start up and innovation cell** was conducted on 18th November 2021 with theme-Be vocal for local for- Atmanirbhar Bharat, Sustainable energy resources and its innovative applications, Making online medical consultation happen for the benefit of masses, Contribution of pharmacist in promoting a healthy society post covid-19 pandemics.
Total 22 students from B.Pharm and M.Pharm participated in the competition. Two top entries were selected for university level (i to e competition) .
- Swaccha Technology Challenge Competition organised by SPPU 2/01/22 .Topics- Social Inclusion,Plastic waste management,Transparency .Tejal Patil,Rutuja More S.Y.B.Pharm VaishnaviDandavate-T.Y.B.Pharm Participated in the competition .
- S.Y.B.Pharm student-Miss Madhura Gaikwad participated in IDEATHON-22 under category- Innovation in the healthcare at Karjat.Topic- Online Aspataal one step solution for all medical aids
- Swaccha Technology Challenge Competition organised by NMC-31/12/21 .Smital Patil,Tejal Patil,Tanvi Koshire, Manasi Kothawade S.Y.B.Pharm Participated in the competition .

- **Mahatma Gandhi Vidyamandir's Pharmacy college has established Institution Innovation Council (IIC) as per norms of Innovation cell, Ministry of Education, Govt of India during 2021-22.**
- **Competition organized on occasion of 'World Pharmacist Day-25th September 2021' on following topics**
 1. Poster/ Flyer making competition -Role of Pharmacist in healthcare sector (open for B.Pharm,M.Pharm and Pharm D students)
 2. Pharma Model making competition (open for S.Y.B.Pharm students)
 3. Poster/ Flyer making competition - Herbal formulations/dietary supplements/ Nutraceuticals available in the market (open for T.Y.B.Pharm and M.Pharm students)
 4. Preparing Label as per D and C Act for schedule H/G/X drug(any one) (open for Final year B.Pharm and M.Pharm students) . Total 176 students participated in the event and were given e-certificates as well as winners from each category were awarded with cash prize.

CAYm1(2020-21)

Sr. No.	Class	Name of students	Title of Project
1	F.Y.B.Pharm	Akansha Bodake, Nikita Aher	Historical Development of Pharmacy in India
2	F.Y.B.Pharm	Ajinkya Wakode, Rushbh Wagh, Keshav Udhane	Novel Drug Delivery System
3	F.Y.B.Pharm	Ritika Tungar, Mansi Yeole, Shruti Wankhede, Khushi Deore	Review on Mouth Dissolving Tablet
4	F.Y.B.Pharm	Aishwarya Adaskar, Neha Banate, Shravani Bagul	Overview on development of Tablet dosage form
5	F.Y.B.Pharm	Prathmesh Ladsaongikar, Sakshi Loya, Sakshi Magar, Sonal Mahale, Mayuresh Manchekar	Antacids
6	F.Y.B.Pharm	Tejswini Nirgude, Rutuja Padol, Onkar Palve, Saurabh Pandit	Inorganic Medicinal Gases
7	F.Y.B.Pharm	Nikita Mawal, Disha Misal, Mayur More, Mrunal Mande, Yuthika Nagare	Dental Products
8	F.Y.B.Pharm	Chinamayee Joshi, Akansha Kale, Sakshi Dhumal, Vaishnavi Kadali	Anaemia
9	F.Y.B.Pharm	Aditi Joshi, Jagruti Honde, Manasi Jadhav, Madhura Gaikwad, Prajwal Jadhav, Rohit Khaire	Diseases transmitted through mosquito bites

10	F.Y.B.Pharm	Vedant Dhtrak,Sartgehak Ghule, Sanket Hand	Adultration in Food
11	F.Y.B.Pharm	Rohit Pardeshi, Kalyani Paraste, Akib Pathan, Dyneshwari Patil, Shriraj Patil	CNS Model and Report
12	F.Y.B.Pharm	Atharva Shewale, Shubham Shinde, Roshan Shinde, Shubham Shirsath	Disposal and mgmt of Pharmaceutical waste
13	F.Y.B.Pharm	Harsh Shinde, Rahul Thoke, Krishna Shelar, Prerna Salve, Bhairavi Shewale	Pharmaceutical Pollution
14	S.Y.B.Pharm	Akanksha Shinde	Cultivation of Viruses
15	S.Y.B.Pharm	Vedashri Kulkarni	Structure of Corona Virus
16	S.Y.B.Pharm	Akansha Shinde	Hackathon Innofest 21-Improvement of Public toilet operation and Maintenance/ Effective use and maintenance of public toilet specially for females
17	S.Y.B.Pharm	Darshan Ahire	Structure of Bacterial Cell
18	S.Y.B.Pharm	"Ahire Darshan Pandharinath, Binnar Om Pandurang, Boraste Swami Bhagwat	Automation in Pharmaceutical Industry
19	S.Y.B.Pharm	"Darekar Vaishnavi Dinesh,Dasnur Nikita Ashok "	Recent Advancement in Transdermal Drug Delivery System
20	S.Y.B.Pharm	"Gite Aditya Pradip,Gujarathi Gayatri Prashant	Nanoparticle boon for drug delivery system
21	S.Y.B.Pharm	Tejas Kasar , Akash Katkade, kunal Khairnar shrushti khedkar,santosh kokani, Vedashree Kulkarni, Shital Khinde, deepali malpure	Green chemistry
22	T.Y.B.Pharm	Gaurav Dhumal	Introduction, origin of coronavirus and structure.
23	T.Y.B.Pharm	Nandini Chavan	MOA of virus, Symptoms and precaution.
24	T.Y.B.Pharm	Prafulla Bhadan	Diagnostic methods and drug treatment
25	T.Y.B.Pharm	Sayali Malode	Variants of virus(from 2019 to 2021with description)
26	T.Y.B.Pharm	Akansha Khandve, Manjiri Gawali	Urinary system model/ Charts
27	T.Y.B.Pharm	Sarthak Jadhav, Abhishek Jadhav	Pharmacology Instruments model/Flash cards
28	T.Y.B.Pharm	Prajakta Rote	Types of Tablets

In-house online competition conducted by **Start-Up Innovation Cell**, on 14/12/2020 on topics

1. Packaging innovation for promoting marketing of Consumable products.
2. Innovative designing of masks, sanitizers and its effective use
3. Safe disposal and reuse of PPE kit.

Total 80 students from B.Pharm and M.Pharm participated in the event. Top five performers were nominated for university level competitions (2nd level i to e) and won first prize in Hackathon-Innofest-21 organised by SPPU 20-21.

Savitribai Phule Pune University's centre for innovation, incubation & enterprise and Pimpri Chinchwad start-up incubation centre has organized Inno-fest 2021

MGV's team (1.Akansha Shinde (S.Y.B.Pharm), 2. Sonali Darekar,(S.Y.M.Pharm), and Dr. Suvarna Katti (Mentor)) participated in the competition and presented project on Topic: 'Effective use and maintenance of Public Toilet specially for females' Team won first prize in the final round of Hackathon competition at InnoFest-2021 conducted by SPPU, Pune on 06/03/2021.

T.Y. B. Pharm team (1. Sarthak Pandurang Jadhav 2. Abhijit Kailas Khairnar 3. Hrishikesh Yashwant Jagdale 4. Abhishek Samaptrao Jadhav) has been shortlisted for the Regional Convention of the Chhatra Vishwakarma Awards 2020, which is being organized by All India Council for Technical Education (AICTE) on the Theme of - India's Economic Recovery Post Covid; Reverse Migration and Rehabilitation Plan to support "Atmanirbhar Bharat".

Participation of Akansha Shinde in various projects

Students are motivated to participate at national, international level competitions, conferences, students have participated and won prizes at national levels.

- S.Y.B.Pharm student-Akanksha Shinde participated in Maharashtra health hackathon was selected for e-medha competition and participated in the same. She was team leader of team 19. (May 2021) and selected the problem statement.. #Arterial blood gas analysis. An arterial blood gas test measures the amount of arterial gases, such as oxygen carbon dioxide and also measures ph. The current method is an invasive technique requiring some blood to be drawn from the radial artery and not patient friendly.ABG analysis machine has its own disadvantages such as large size, high cost and non portability.So this team has provided solution on this problem.
- S.Y.B.Pharm Student-Akanksha Shinde also participated in Catechization 2021 National Level Topical Quiz Competition by the Econ club conducted by K. M. Kundanani College. Date- 28 June To 4 July
- Akansha Shinde has also participated in Maharashtra Health Hackethon competition date 23 - 25th April and received award from- Shri. Deependrasingh Kushwah, IAS
Subject: Responsive emergency services

Problem statement was- In Melghat of Amravati, Gadchiroli, Nadurbar, Gondia , there is no communication facility between PHC and villages at emergency. Most of this area a remote place having hilly region and main get cut off during the monsoon. However most important hurdle is transporting the mother in the labour pain. So we gave solution on it. Competition was sponsored by Government of Maharashtra (GoM), Maharashtra State Innovation Society, BETiC, IIT Bombay, MIT Hacking Medicine, Welingkar Institute of Management and TiE Mumbai.

- Vaishnavi Sonawane Final Year B.Pharm student was second runnerup for national level flyer competition organized by D.Y.Patil Institute of Pharmaceutical Sciences and Research Pimpri, Pune during national Pharmacovigilance week 2021.
- Nandini Chavan and Akansha Khandawe of Final year B.Pharm participated in international conference on Pharmaceutical Research and Innovation to tackle future health-care arena during 27/09/21 to 29/09/21 ,they presented topic- ‘ Formulation , development and evaluation of topical emulgel of luliconazole using essential oils.’

CAY(2019-20)

Sr. No.	Class	Name of students	Title of Project
1	F.Y.B.Pharm	Vedang Junagade, Atish Kadam, Shraddha Karande, Siddhi Kale, Gaurav Jat , Payal Kasar	Combinatorial Chemistry
2	S.Y.B.Pharm	Gaurav Dhumal, Khushal Chaudhari, Mahalaxmi Mohan	Bacillus amyloliquefaciens: A Review, Research and Reviews
3	S.Y.B.Pharm	Rutuja Pawar	Role of Indole Scaffolds as Pharmacophores in development of Anti-Lung cancer agent
4	S.Y.B.Pharm	Ajay Rathod	Formulation of Topical Medicines
5	Final year B.Pharm	Pratik Katore, Khushal Chaudhari, Mahalaxmi Mohan.	Bacillus Polymyxa: A Potential probioticspecies
6	Final year B.Pharm	Pooja Niphade	3D NMR
7	Final year B.Pharm	Akansh. P. Varshney and Tejas. C. Badhan Uday Bhangale S. A. Katti	Synthesis, molecular docking & evaluation of anthelmintic activity of 2-(2-amino phenyl)-1H-benzimidazole derivatives’
8	Final year B.Pharm	Soham. V. Loharkar Kailas.	‘Synthesis, molecular docking & evaluation of anthelmintic activity

		S. Desai Katti S. A,	of 2-(2-amino ethyl)-1h-benzimidazole derivatives'
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- The **Start up and Innovation cell** was constituted in 2019-20. Under the guidelines of SPPU, the first in-house start up and innovation competition was held on 03-10-2019. The theme for the competition was-Innovative packaging design and solution for patient compliance and Innovative ideas for disposal of parenteral dosage forms. A total of 50 B.Pharm and M.Pharm students participated enthusiastically in the event. College Level Ideation Competition, >50 B.Pharm and M.Pharm students enthusiastically participated in **Level 1** of College Level Ideation Competition under start up and innovation cell. The students were asked to present a **5 min PPT** on the theme Innovative packaging design and solution for patient compliance. Parameters such as innovative concept, presentation and applicability were **evaluated by external guest Mr. S. K. Mahuli, Packaging consultant** with more than 35 yrs of industrial experience. Two best teams were felicitated.

PUBLICATIONS FROM STUDENTS PROJECTS

CAY /CAYm1/ CAY m2

Name of authors	Title	Journal	Volume	Year
Vedang Junagade, Akash Katkade, Pallavi Shirudkar, Suvarna Katti	Alzheimer disease: Pathophysiology and treatment	Dickensian Journal	22:15	2022
Gaurav Dhumal, Khushal Chaudhari, Mahalaxmi Mohan	Bacillus amyloliquefaciens: A Review, Research and Reviews	Research and Reviews: A Journal of Microbiology & Virology.	10(3)	2020
Pratik Katare, Khushal Chaudhari, Mahalaxmi Mohan.	Bacillus Polymyxa: A Potential probioticspecies	Electronic Journal of Biology.	16(5)	2020
Bhangale U. A., Varshney A. P. and Badhan T. C. Katti S. A. Tejas Badhan, Ekansh Varshney	Synthesis, molecular docking & evaluation of anthelmintic activity of 2-(2-amino phenyl)-1H-benzimidazole derivatives'	World Journal of Pharmaceutical Research,	8(11)	2019
Desai Kailas Soham. Loharkar S. V. S. AKatti ,	Synthesis, molecular docking & evaluation of anthelmintic activity of 2-(2-amino ethyl)-1h-benzimidazole derivatives'	World Journal of Pharmaceutical Research,	8(11)	2019

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

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

Memorandum of Understanding (MoUs) Signed:

Name of Institute/Industry/ Hospital	Purpose	Year of signing MoU
Civil Hospital	Academic tie up	2016-17
Ayurved Seva Sangh, Nashik	Collaborative project work	2016 -17
Orchid Scientific and Innovative India Pvt. Ltd. Ambad, Nashik	Consultancy services, Joint collaborative projects, Visit& training (Industry sponsored Lab)	2017-18
PAR Pharmaceuticals, USA	Donation of Instruments by our Alumni- Mahendra Pawar (1999) (Industry sponsored Lab)	2017-18
Reve Pharma, Sinnar, Nashik	Collaborative Research work	2018-19
S K Biobiz, Dindori, Nashik	Collaborative project work	2018-19
Scitech Specialities Private Limited, Musalgaon, MIDC, Sinnar, Nashik	Collaborative project work	2019-20
Neuvocare Pharmaceuticals Pvt Ltd, Nashik	Collaborative Research Work	2019-20
Invivo Biosciences, Bangalore	Collaborative project work	2020-21
VSG Life Sciences LLP, Nashik	Collaborative project work	2020-21
Saptashringi Ayurved College- KBH Dental College	Collaborative Research work	2020-21
Nucleus Healthcare and Research Pvt Ltd	Collaborative Research work	2021-22
Shree Mithila Ayurveda College and Research Centre, Nepal	Interdisciplinary work/Faculty Exchange Program	2021-22
Arpan Blood Bank, Nasik	Collaborative Academic work	2021-22
Navsanjeevani Hospital, Nasik	Collaborative Research work	2021-22

As part of the cocurricular activities, regular industry/ hospital/ pathology labs are arranged for all years of B.Pharm program. The details are as given under.

Impact Analysis: The students were benefitted as they get to know the working atmosphere and the various sections by visiting industry/ hospital set up. Experts from these areas deliver informative lectures. These help the students to understand real-time appreciation and value addition.

CAY(2021-22)

S. No.	Industry/ Hospital Place	Date- Month-Year	No. of students present during visit	Depart ments visited	Content syllabus fulfilled	of Impact analysis/O bservation s
Teaching staff members						
1	Advance Enzyme Technology, Sinnar	15/12/21	Dr.T.N.Lokhan de,Dr.S.A.Katti Prof.V.D.Raki be, Prof.A.P.Bhosa le and M.Pharm students(Pharm .Chemistry)	Synthes is of enzyme s	To study enzyme synthesis- serratiopeptida se,amylase,alk aline protease using microorganism cultures.	Indepth knowledge on biotechnolo gical tools for enzyme production was gathered.
2	Reve Pharma Musalgaon, Sinnar	05/01/21	Prof.V.D.Raki be, Prof.A.P.Bhosa le and Prof.S.J.Patil	Manufa cturing process and QA dept	Current updates on CGMP followed in industry.	Visit was helpful to study CGMP followed in industries and manufacturi ng&packag ing process of formulation

						s.
3	Mauli Nursery, Adgaon, Nasik	06/01/21	10	Nursery	Plant Cultivation and collection	Visit was useful to study organoleptic properties of few plants.
4	Arpan Blood Bank	10/05/22	68 students along with teaching Staff Prof. V.R. Jadhav	Department collection of blood sample, fractionation and storage of blood products	Students were able to understand process of preparation from blood, separation of blood components.	Visit was helpful to understand process of collection, preparation and preservation of blood products

CAYm1(2020-21)- NIL

CAYm2(2019-20)

S. No.	Industry/ Hospital Place	Date- Month- Year	No. of students present during visit	Departments visited	Content of syllabus fulfilled	Impact analysis/ Observations
First Y.B.Pharm and T.Y.B.Pharm						
1.	Kohum Museum	03/02/20	51	Museum	To study basic anatomical structure of human with	Students learned the basic anatomical structure of

					the help of model	human body and study on Genomics by observing the models present in the Museum.
2	Holden Laboratories, Malegaon ,Sinnar MIDC Nashik	20/02/20	68+12 M.pharm QA +3 staff members	Production -QA/QC	Study processes involved in formulation.	Students explored the formulation and development of APIs

List of lectures delivered by experts from Industry / Hospitals (CAY2021-22)

Sr .No	Date-Month-Year	Gap	Action taken	Resource person with designation	No. of students present	Relevance to PO
1	27/7/2021	Training and Placement	Importance of Profession Ready and Training Placement programme	Prutha.J.(BOD) Clini INDIA	60	1,3,5, 6,7,8, 9,11
2	01/08/21	Motivation(Pharmacy and profession)	Journey from Pharmacy to world's Peace Ambassador.	Alumni-Dr Amjadkhan A. Pathan , Chairman Asanaj Healthcare Education &Research Foundation	80	1,2,3, 5,6,7, 8,9,11
3	12/08/21	Importance of sports and fitness.	Fitness for healthy well being	Mrs Pallavi Dhatrak, Taluka Sports Officer, Nashik	75	2,3,5, 8
4	24/08/21	Training and placement	Pharma Career Guidance	Mr. Amol Gavande Founder- CEO-Smartchem Plus	88	1,2,3, 5,6,7, 8,9,11

				Director: Chemnext Pharma PVT. Ltd.		
5	9/10/2021	Pharmacy Profession updates	Role of clinical Pharmacology in drug development	Dr.Anirudhdha Amrite(Alumni) Head of clinical Pharmacology Dicerna Pharmaceuticals Cambridge MA	100	1,2,3, 5,6,7, 8,9,11
6	30/10/2021	Entrepreneurship challenges and opportunities	Flipping Scenario in Entrepreneurship Practice by twentyfirst century	Rohan Pawar (Alumni) Founder RAP Analytical research and training center	95	1,2,3, 5,6,7, 8,9,11
7	14/12/2021	Pharmacy Profession updates	Current Trends in the Vaccine Development	Mr. Vishal Sonje (Alumni) CMC lead,Europe-CEPI	85	1,2,3, 5,6,7, 8,9,11
8	25/12/2021	Hospital Management	Hospital Management and it's organization	Dr. Raghavendra M. Bhutada Clinical Pharmacist,Ashoka Hospital	44	1,2,3, 5,6,7, 8,9,11
9	25/01/2022	Financial management	Bombay Stock Exchange	Mr.Pankaj Mathkar Electronic engg Investor and has domain expertise in Capital Market	80	2,3,4, 5,8
10	21/2/2022	Knowledge of laws	World day for social Justice-Importance and need	Adv. Kavita Jadhav Criminal Lawyer, Chalisgaon	80	8,11
11	8/3/2022	Women Empowerment	Constitutional rights for women	Adv.Minal Khohar Lawyer	120	8
12	11/3/2022	Pharmacy Profession updates	Drug Regulatory affairs and Intelligence	Mr.Amit Khodke (Alumni)Regulatory solution and consulting	100	1,2,3, 5,6,7, 8,9,11
13	09/05/22	Lifestyle management for healthy life	Influence of diet and routine activities of women's health	Dr.Shubhangi Suryawanshi BAMS,Director Shree Vishwagovind Ayurvedic Clinic	79	1,2,3, 5,6,7, 8,9,11

				and Panchakarma Centre Nasik		
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List of lectures delivered by experts from Industry / Hospitals CAYm1 (2020-21)

Sr.No	Date-Month-Year	Gap	Action taken	Resource person with designation	No. of students present	Relevance to PO
1	21/07/2020	Current status of Drug Design and Discovery	Role of artificial intelligence and machine learning in drug discovery process.	Dr.Bhushan Bonde Sangers institutes Cambridge (UK)	124	1,2,3,4,6,8,9,11
2	07/08/2020	Patents current scenario Pharmaceutics	Pharma Business in US & EU(Patients, Payors and Generic Outlook and future)	Dr.Arvind Sonawane, Analytics Newbridge Pharmaceuticals, Dubai	135	1,2,3,4,6,8,9,11
3	09/08/2020	Importance of stress testing in formulation Development Pharmaceutical Chemistry	Stress testing an integral part of Pharmaceutical Product Development	Dr.Omkar D.Sherikar, Senior Executive (Reviewer) ARDL,FDC Ltd Mumbai	115	1,2,3,4,6,8,9,11
4	19/8/2020	Social Awareness NSS activity	Guest lecture Organ donation (NSS)	Dr Dilip Bhavsar, M.D. Pathology, Malegaon	67	5,7,8,9,11

5	16.08.20	Clinical data Management	Clinical data Management	Ms Chitra Bhagat Clinical Data Manager, Cognizant, Mumbai	55	1,2,3,4,5 ,6,7,8,9, 11
6	17/12/2020	Career opportunities in Pharmacy Field	Channelising your Pharmacy Degree towards lucrative Professional life	Mr.Pranav R. Gadgil (Alumni) Baeyork Enterprises Nasik	55	1,2,3,4,5 ,6,7,8,9, 10,11
7	19/12/20	Healthcare Management as a career choice	Healthcare Management as a career choice	Mr.Dhanajay Singh Rajput(Alumni) Dependable Healthcare Administrator P.D.Hinduja Hospital and Medical Research Centre,Mumbai	65	1,2,3,4,5 ,6,7,8,9, 10,11

List of lectures delivered by experts from Industry / Hospitals CAYm2 (2019-20)

Sr. No.	Date-Month-Year	Gap	Action taken	Resource person with designation	No. of students present	Relevance to PO
1	21/06/2019	Social Awareness Yoga for wellbeing	'Demonstrative lecture on yoga International Yoga Day' Speaker :	Mrs. Sonali More, Yog Vidhyadham, Nashik.	33	2,3,5,8
2	13/08/2019	Modern Analytical tools	Dissolution , 21 CFR and FTIR	Mr. Sandip Jagtap, Lab India Analytical Instruments Pvt. Ltd.	57	1,2,3,4,5,6,7,8,9,11
3	21/08/2019	Qualities for successful Entrepreneur offline	Entrepreneurship Awareness	Mr. Sunil Chandak Udogvardini Nashik	46	2,3,5,6,7,8,9,11
4	23/08/2019	Computer aided Drug Design	Molecular modeling, docking and pharmacophore	Dr. Sami Mukhopadhyay, Dr. Amit Bedi, NOVA lead Pharm pvt. Ltd. Pune	16	1,2,3,4,5,6,7,8,9,10,11
5	27/8/2019	Social Awareness	Cardiac Diseases and life style	Dr. Narayan Devgaonakar, Cardiologist, Nashik	72	1,2,3,5,6,7,8,9,11
6	13/9/2019	Career guidance	Modern methods of AI based assessments & recruitment	Mr. Saurabh P. Kerhalkar,	47	1,2,3,4,5,6,7,8,11
7	20/9/2019	Career guidance	Career guidance by universal foundation for competitive exams	Mr. Ram Khairnar, Universal foundation, Nashik	47	1,2,3,4,5,6,7,8,9,11
8	25/9/2019	Social awareness- Diet and disease management	Importance of right diet and role of bariatric surgery in weight reduction and little bit on management of endocrine disorders.	Dr. Jayant Wagh Gastroenterologist , Bhagawati Institute of Gastroenterology, Nasik	57	1,2,3,5,6,7,8,9,11
9	28/12/	Enzyme	Clinical pharmacology	Dr. Aniruddha	26	1,2,3,4

	2019	based Drug Design	current research scenario at abroad.	Amrute, Director Clinical Pharmacology, Dicerna Pharamceuticals		,5,6,7, 8,9,11
10	13/01/2020	Career guidance	Global research opportunity	Dr. Vaibhav Shantaram Gawali, Post doc. Fellow, at Cincinnati University, USA	71	1,2,3,4 ,5,6,7, 8,9,11
11	18/01/2020	Social responsibility	De-addiction of Youth	Mr. Shivkumar Mahale, Prajapita Brahmakumari Nashik center	76	2,3,5,8
12	04/02/2020	Career guidance	Career after B.Pharm	Siddharth Patil, Carrer Consultant, Surat	44	1,2,3,4 ,5,6,7, 8,9,11
13	04/02/2020	Career guidance	Study abroad opportunities	Mr. Amit Gore, Akshay Abroad Consultant, Nashik	89	1,2,3,4 ,5,6,7, 8,9,11
14	25/09/2019	Social Awareness	First Aid- Road safety	Dr. Sanjay R. Dhurjad , consulting Orthopedic Surgeon, Sudarshan Hospital, Nashik	62	2,3,4,5 ,8
15	22/02/2020	Pharma Business Management	Audit @ pharmaceutical Industry	Anup Ashok shirude, Emcure Pharmaceuticals Pvt. Ltd.	22	1,2,3,4 ,5,6,7, 8,9,11
16	27/02/2020	Pharma Business Management	Regulatory affairs	Mr. P.B. Bang, Unique Pharmaceutical Laboratories,Nani Daman,Gujrat	19	1,2,3,4 ,5,6,7, 8,9,11
17	12/05/2020	Career guidance	Career paths in clinical research	Mr. Sachin Tadge , General manager, Accutest Research Laboratories Pvt Ltd.	80	1,2,3,4 ,5,6,7, 8,9,11

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

(Mention the initiatives, implementation details and impact analysis)

CAY(2021-22)

- Employability Enhancement & youth livelihood program by Mahindra Pride classroom Project of Naandi foundation conducted at Mahatma Gandhi Vidyamandir's Pharmacy college, Nashik - Fifteen days from 09/07/2019 to 02/08/2019.
- **Mahindra Pride Classroom** in collaboration with Nandi Foundations commenced skill employability enhancement workshop for interested B.Pharm and M.Pharm students.

Sr. No.	Initiative	Date-Month-Year	No. of students present	Implementation details	Impact Analysis
1	Mahindra Pride Classroom. Employability Enhancing skilling project (In association with Nandi Foundation) Through online Zoom Platform due to covid	07/10/21 to 18/10/21, 15/11/21 to 20/11/21 for 13 days, 2hours per day =26 hours Time: 09:30 am to 11: 30 am	79 (Final yr B.pharm + Final year M.pharm)	1.First Impression- Induction & Life Skills 2.I am Unique - Life Skills 3.Being a Responsible Netizen- Life Skills 4.Email Etiquette- Soft Skills 5.Job Opportunities- Life Skills 6.Money Management- Life Skills 7.TeamWork- Life Skills 8.Interview Preparation 1- Interview Skills 9.Extempore Speech + GD - Input Session- Communication Skills & Interview Skills 10.Extempore Speech – Advanced (Assessed) 11.Group Discussion (Assessed)- Communication Skills & Interview Skills 12.Interview Preparation 2- Interview skill 13.Embracing Change	Introductions Building self-esteem Providing confidence to students to speak in English, with guided communication in day-to-day situations Helping students understand basic grammar Providing an opportunity for students to think, open up and express their thoughts and views on multiple issues that affect their lives Confidence building - presentation skills in a group Confidence building - presentation in pairs Confidence building - presentation alone Preparing students for the real world -

				Mock Interviews (Assessed) Mock Interviews (Assessed)- Interview skill	Basic knowledge on money matters Preparing students for the real world - Basic tips on interview skills
2	Lokmat and Gilette Guard Sponsored Grooming session-Kar Lo Safalata Muthi Mein	13/12/21	33(B.pharm + M.pharm)	A:Appear-Your Confident best self to make the best self expression B:Body Language that emits positivity and confidence. C.Communicate Confidently and Sharply	Developed communication skills and boosted confidence
3.	Rubicon Skill Development Pvt. Ltd. initiating training on soft skill under 'Barclays LifeSkill' program association with the Rubicon foundation (NGO Partner)	17/01/2022 To 25/01/2022 Time: 4.30 pm to 6.30 pm Through Online ZOOM Meeting	74(Final year B.Pharm and M. Pharm students)	<ol style="list-style-type: none"> 1. Expectation setting-Life Skill 2. Ice breaking-Life Skill 3. Goal Settings-Life Skill 4. Organizational Structure-Life Skill 5. SWOT Analysis-Life Skill 6. Corporate Jargons-Life Skill 7. Public Speaking-Life Skill 8. Presentation Skills-Life Skill 9. E-mail Etiquette-Life Skill 10. Grooming-Life Skill 11. Body language-Life Skill 12. Telephone Etiquette-Life Skill 13. Group Discussion-Life Skill 14. Personal Interview-Life Skill 	<p>Students building self confidence to set expectations in life and to set goal in life management.</p> <p>Students able to analyze SWOT.</p> <p>Soft skill including speaking in public, presentation skill, Email writing, Speaking skill on phone are guided.</p> <p>Benefits of group discussion are understood to the students and students got knowledge about how to speak in interview.</p>

- **Our *Skill Development Training Centre (NSDF)** having *TC Id: TC152945* and Centre name: *Pharmacy College Panchavati* has been recommended for *Accreditation status with *5 Star. Rating** for the Job Role: *Medical Sales Representative having LFS/Q0401.* Total seats available=20.

CAYm1(2020-21)

Sr. No.	Initiative	Date-Month-Year	No. of students present	Implementation details	Impact Analysis
1	Mahindra Pride Classroom. Employability Enhancing skilling project (In association with Nandi Foundation) Through online Zoom Platform due to covid	17/08/2020 to 25/08/2020 for 07 working day, 1.5hours per day and mock interviews (5+5 hrs on 10/09/20 and 11/09/20) day)=20 hours Time: 09:00 am to 10: 30 am	103 (Final yr B.pharm + Final year M.pharm)	1.First Impression- Induction & Life Skills 2.I am Unique - Life Skills 3.Being a Responsible Netizen- Life Skills 4.Email Etiquette- Soft Skills 5.Job Opportunities- Life Skills 6.Money Management- Life Skills 7.TeamWork- Life Skills 8.Interview Preparation 1- Interview Skills 9.Extempore Speech + GD - Input Session- Communication Skills & Interview Skills 10.Extempore Speech – Advanced (Assessed) 11.Group Discussion (Assessed)- Communication Skills & Interview Skills 12.Interview Preparation 2- Interview skill 13.Embracing Change Mock Interviews (Assessed) Mock Interviews	Introductions Building self-esteem Providing confidence to students to speak in English, with guided communication in day-to-day situations Helping students understand basic grammar Providing an opportunity for students to think, open up and express their thoughts and views on multiple issues that affect their lives Confidence building - presentation skills in a group Confidence building - presentation in pairs Confidence building -

				(Assessed)- Interview skill	presentation alone Preparing students for the real world - Basic knowledge on money matters Preparing students for the real world - Basic tips on interview skills
2.	Cipla Palliative awareness and training Programme Online	25/05/21	71 B.Pharmacy and M.Pharm students and 3 teaching staff members	Training session about how to take care about cancer patient of last stage	Developed technical skill to handled cancer patient of last stage
3	Cipla Palliative awareness and training Programme Online	09/06/21	70 B.Pharmacy and M.Pharm students	Training session about how to take care about cancer patient of last stage	Developed technical skill to handled cancer patient of last stage

CAYm2(2019-20)

Sr. No.	Initiative	Date-Month-Year	No. of students present	Implementation details	Impact Analysis
1	Mahindra Pride Classroom. Employability Enhancing skilling project (In association with Nandi Foundation) Offline plate form: B.Pharm Auditorium	09/07/19 to 02/08/19 for 20 working day, 2 hours per day= 40 hours Time: 08:00 am to 10: 00 am	30 (Final yr B.pharm + Final year M.pharm)	1.First Impression- Induction & Life Skills 2.I am Unique - Life Skills 3.Being a Responsible Netizen- Life Skills 4.Email Etiquette- Soft Skills 5.Job Opportunities- Life Skills 6.Money Management- Life Skills 7.TeamWork- Life Skills 8.Interview Preparation 1-	Introductions Building self-esteem Providing confidence to students to speak in English, with guided communication in day-to-day situations Helping students understand basic grammar

				Interview Skills 9.Extempore Speech + GD - Input Session-Communication Skills & Interview Skills 10.Extempore Speech – Advanced (Assessed) 11.Group Discussion (Assessed)-Communication Skills & Interview Skills 12.Interview Preparation 2- Interview skill 13.Embracing Change Mock Interviews (Assessed) Mock Interviews (Assessed)- Interview skill	Providing an opportunity for students to think, open up and express their thoughts and views on multiple issues that affect their lives Confidence building - presentation skills in a group Confidence building - presentation in pairs Confidence building - presentation alone Preparing students for the real world - Basic knowledge on money matters Preparing students for the real world - Basic tips on interview skills
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Industrial Training Report

CAY (2021-22)

Industry/Hospital Pharmacy Training:-Final year B.Pharm students undergo industrial training the details are as follows

Roll no	Name of student	Name of organization where industrial/Hospital Pharmacy training/online courses was completed	Duration of training
01	Achane Ashok P	Glennmark Pharmaceutical Limited Nasik	10-11-21 to 10-12-21
02	Ahire Darshan Satish	Vatsal Ayurvedic Products Pvt.Ltd.	6-9-21 To 6-10-21
03	Harshal Arun Bachhav	1)Vatsal Ayurvedic Products Pvt. Ltd. 2)SWAYAM /NPTEL Course	1) 1 Month at Vatsal Ayurvedic Products 2) 8 Week course of SWAYAM / NPTEL

			Course
04	Prafulla Manohar Badhan	Vatsal Ayurvedic Product pvt. Ltd.	1 month
05	Bagul Nishali Vikas	Vatsal Ayurvedic product pvt.lmt .ozar mig.....and also NPTEL course completed	10-11-21 to 10-12-21
06	Bhadane Rushikesh Bhila	Glenmark Pharmaceuticals	November and December 2021
07	Bhagure Darshana Ramesh	RAP analytical research and training centre,Nashik	1 month
08	Prachi pandurang bhosale	Vatsal Ayurvedic products pvt. Ltd	08/11/2021 to 08/12/2021
09	Bhoye Surendra Hiranman	Hospital Pharmacy training	09-12-2021 to 22- 01- 2022
10	Punaji ashok bhoys	Rural Hospital Surgana dist .nashik	15 days
11	Ketki Prashant Bonde	Vijayendra Hospital, Pawan Medical, Jalgaon	15th Oct to 30th Oct
12	Nikita jagannath borade	Urvesh pharma Makhamalabad Nasik	15th Oct to 30th Oct
13	Borade Satyajeet Sunil	Dr.Mahajan Eye Hospital	1 month
14	Sakshi Ramesh Boraste	Vatsal Ayurvedic and NPTEL online certification	1 month
15	Arpita Prabhakar Chaure	Vatsal Ayurvedic Product Pvt.Ltd	1 month
16	Nandini Chavan	Vatsal Ayurvedic Products Pvt. Ltd.	1 month
17	Chune Rohit A	Glennmark Pharmaceutical	1 month
18	Deore Rahul S.	Vatsal Ayurvedic Products Pvt. Ltd.	1 month
19	Deshmukh shubham Harishchandra	Vatsal Ayurvedic products pvt.Ltd	15 days
20	Shubham vijay dhakrao	Vastal Ayurvedic products pvt. Ltd.	15 days
21	Gaurav Dhumal	MGV's Pharmacy College Nashik	4 weeks
22	Ashutosh Gaikwad	Hospital medical	3 months
23	Niyati Nivrutti Gaikwad	Vatsal Ayurvedic Product PVT. LTD , Ozar mig	10/11/2021 to 10/12/2021
24	Pradnya Ramesh Gaikwad	Vastal Ayurvedic Products Pvt.Ltd Industry	1 month
25	Chetna Yogendra Gangurde	Soham medical,Sankalp Hospital,Satana road,Malegaon	15 days
26	Sayali Bharat Gangurde	Vatsal Ayurvedic Product Pvt.Ltd	1 month
27	Manjiri Chandrakant Gawali.	Shreepad Hospital ENT specialist	10/11/2021 - 10/12/2021
28	Gharate Sachin G.	Glennmark Pharmaceutical Limited Nasik	10/11/2021 - 10/12/2021

29	Goswami Madhuriben	Glennmark Pharmaceutical Limited Nasik	10/11/2021 - 10/12/2021
30	Holkar Akanksha Sanjay	Vatsal Ayurvedic Products Pvt. Ltd. Ozar, Online course Nptel -Biomedical nanotechnology	10/11/2021 - 10/12/2021
31	Jadhav Abhishek Sampatrao	Graavity Multispeciality Hospital pvt.ltd Ganpati Medical	15/10/2021 to 15/11/2021
32	Jadhav Sarthak p	Hilberry lifescience PVT LTD	01/08/2021 to 10/09/2021
33	Jadhav Sumit S.	Vatsal Ayurvedic Products Pvt. Ltd. Ozar,	15/10/2021 to 15/11/2021
34	Hrishikesh Yashwant Jagadale	Vatsal Ayurvedic Products Pvt. Ltd.	1 month
35	Sangram Jagdale	Vatsal Ayurvedic Products Pvt. Ltd.	21-11 to 21-12 2021
36	Payal Shashikant joshi	Vatsal Ayurvedic Products Pvt. Ltd.	1 month
37	Karnavat Vivek M	--	--
38	Abhijit Kailas Khairnar	1) SWAYAM /NPTEL course 2) Vatsal Ayurvedic Products Pvt. Ltd.	1) 8 week course of SWAYAM /NPTEL course 2) 1 month course at Vatsal Ayurvedic Products Pvt. Ltd.
39	Khambekar Divya P	Vatsal Ayurvedic Products Pvt. Ltd.	1 month
40	Akanksha Khandwe	Delta Finochem Pvt.Ltd(ADL dept) And NPTEL online certification	Online certification course-12 week and 1 week industry training
41	Kulkarni Deepak Umesh	Vatsal Ayurvedic products Pvt.Ltd.	15 days
42	Magar Kaustubh A	Vatsal Ayurvedic Products Pvt. Ltd. Ozar,	15/10/2021 to 15/11/2021
43	Gayatri Megharaj Mahajan	Vastal Ayurvedic Product. Pvt. Ltd	10/11/2021-10/12/2021
44	Shubham Ashok Mandawade	Vatsal Ayurvedic Product Pvt. Ltd.	13-11-2021 to 13-12-2021
45	Dikshita mahesh Manjiri	Vatsal ayurvedic products pvt. Ltd.	10-11-2021 to 10-12-2021
46	More Akanksha Manoj	Vatsal Ayurvedic Products Pvt.Ltd	One month
47	Sneha hiranman nathe	Vatsal ayurvedic products,pvt ltd	10/11/21 to 10/12/21
48	Pangavhane Rutuja Raosaheb	Ganesh medicals ugaon niphad	15 days
49	Raj jayant pardeshi	Glenmark pharmaceutical limited	November 2021 -- December 2021
50	Abhishek pawar	Glenmark pharmaceutical	15 days

51	Sakshi arun pawar	Vatsal Ayurveda products pvt.Ltd.	10-11-2021 To 10-12-2021
52	Pawar Rutuja Dattatray	Vatsal Ayurvedic Products Pvt.Ltd.	10 /11/ 2021 to 10/12/2021
53	Shubham Bhausaheb Pekhale	Dhanvantari Medical	4 months
54	Rathod Ajaykumar krishna	24 hrs Jeet Pharmacology	3 months
55	Kajal Tulshidas Rathod	Vatsal ayurvedic product Pvt.Ltd	10-11-2021to 10-12-2021
56	Prajakta Balasaheb Rote	Vatsal Ayurvedic products Pvt.Ltd	24.11.21 to 24.12.21
57	Mayuresh Suresh Sahane	Vatsal Ayurvedic Products Pvt.Ltd	1 Month
58	Atharva Shete	Vatsal Ayurvedic Products Pvt.Ltd	06/09/2021 to 06/10/2021
59	Prajwal Sanjay Shinde	Glenmark Pharmaceutical Limited	01 Month
60	Shinde Shekhar Chhagan	Vatsal Ayurvedic Products Pvt. Ltd	13-11-2021 To 13-12-2021
61	Rikesh Shroff	Vatsal Ayurvedic Products Pvt.Ltd.	1 month
62	Khadija Akhlaque Ahmed Siddiquee	Vatsal Ayurvedic Products Pvt. Ltd.	1 month
63	Vaishnavi Bhausaheb Sonawane	NPTEL	4 weeks
64	Sunil Suthar	NPTEL-Swayam	12 weeks
65	Tadakhe Vaishnavi suresh	Vatsal Ayurvedic products pvt. Ltd.	13/11/2021 to 13/11/2021
66	Tarle Sakshi bhausaheb	Vatsal Ayurvedic products Pvt. Ltd.	1 month
67	Tushar Ramdas Tarle	MGV'S Pharmacy College Panchavati Nashik	November & December
68	Priyanka Vishwas Thakare	Vatsal Ayurvedic Products Pvt.Ltd	1 month
69	Rutuja Raosaheb Ushir	Vatsal Ayurvedic Products Pvt.Ltd.	1month
70	Umesh Kailas Vetale	Vatsal Ayurvedic Products Pvt.Ltd.	24-11-2021 To 24-12-2021
71	Komal Kailas Wagh	Vatsal Ayurvedic Products Pvt. Ltd. 18, Siddhivinayak Ind.Est., Ozar,Nashik	1 month
72	Shubham Kiran Wani	Vatsal Ayurvedic Products Pvt Ltd	13/11/2021 to 13/12/2021

CAYm1 (2020-21)

Industry/Hospital Pharmacy Training

Ro ll no	Name of student	Name of organization where industrial/Hospital Pharmacy training/online courses was completed	Duration of training
1	Agrawal TejalNilesh	Surgi Pharma Distributor	26/07/2021-09/08/2021
2	BachhavHarshadaRaje ndra	Saidhidata medical stores Malegaon,	01/08/2021-16/08/2021
3	BagulManasi Ashok	Surgi Pharma Distributor	26/07/2021-09/08/2021
4	Bakare Nikita Anil	S.R.A. Pharmaceuticals	01/08/2021-16/08/2021
5	BarkalePratikshaRaosa heb	Asteroid Pharma,Nashik	06/08/2021-20/08/2021
6	Batav Gaurav Sanjay	Skyline Pharma	01/07/2021-15/07/2021
7	BhosaleSayaliSahebrao	Surgi Pharma Distributor	26/07/2021-09/08/2021
8	Borse Prasad Arjun	Skyline Pharma	01/07/2021-15/07/2021
9	ChavanMitushaDevana nd	Sahyadri Distributors ,Malegaon	26/07/2021-09/08/2021
10	DaradeSampadaDeorao	Surgi Pharma Distributor	26/07/2021-09/08/2021
11	Deore Dhanashri Subhash	Skyline Pharma	01/07/2021-15/07/2021
12	DhepaleShantanuBalas aheb	S.R.A. Pharmaceuticals	01/08/2021-16/08/2021
13	DunbaleSauravRajendr a	Mahavir Agengies,Yeola	26/07/2021-10/08/2021
14	Gadakh Prasad Suresh	Skyline Pharma	01/07/2021-15/07/2021
15	Gaikar Rushikesh Hemantkumar	Surgi Pharma Distributor	26/07/2021-09/08/2021
16	GaikwadPrashantSubha sh	Skyline Pharma	01/07/2021-15/07/2021
17	Gharate Twinkle Dadaji	Surgi Pharma Distributor	26/07/2021-09/08/2021
18	GhodkeAshutosh Sanjay	Panchavati Pharma Distributors,Nashik	25/07/2021-10/08/2021
19	GhumareTruptiRaosa heb	Asteroid Pharma,Nashik	06/08/2021-20/08/2021
20	GitePrachiManik	Medispin Pharmaceutical Pvt Ltd	25/07/2021-08/08/2021
21	GosaviShraddhaRushig ir	Yashashree Pharma,Nashik	25/07/2021-08/08/2021
22	JadhavPoonamBalkrish na	Paras Pharma,Nashik	06/08/2021-20/08/2021
23	JadhavSarveshManoj	Skyline Pharma	01/07/2021-15/07/2021
24	JadhavSejal Rajesh	Skyline Pharma	26/07/2021-09/08/2021
25	JeughaleSaurabhSahebr ao	Kiran Agency	06/09/2021-30/09/2021

26	Joshi Vedant Sunil	Shree Kapaleshwar Pharmaceutical Distributor, Nashik	20/07/2021-02/08/2021
27	Kachave Trupti Sunil	Sankalp Pharma, Nashik	25/07/2021-08/08/2021
28	Kadam Hrishikesh Trymbak	Skyline Pharma	01/07/2021-15/07/2021
29	Kakad Gayatri Uday	Glenmark Pharmaceuticals Limited Nasik	25/07/2021-08/08/2021
30	Kakad Prasad Deepak	Glenmark Pharmaceuticals Limited Nasik	25/07/2021-08/08/2021
31	Kakade Deshanand Vishwas	S.R.A. Pharmaceuticals	25/07/2021-08/08/2021
32	Kale Priyanka Sunil	Dhanwantari Agencies	25/07/2021-08/08/2021
33	Khode Shubhangi Rajendra	Shree Vakratund Pharma	25/07/2021-08/08/2021
34	Koshti Rushikesh Sunil	Kiran Agency Distributor	06/09/2021-30/09/2021
35	Kotkar Mayur Kishor	Skyline Pharma	01/07/2021-15/07/2021
36	Kudi Priya Surjaram	Shree Vakratund Pharma	25/07/2021-08/08/2021
37	Kulkarni Laalan Sachin	Rang Pharma	01/07/2021-15/07/2021
38	Kulkarni Smita Suhas	Rang Pharma	01/07/2021-15/07/2021
39	Lokhande Ankita S	Om Medical And Gen. Stores	01/07/2021-15/07/2021
40	Mahajan Sachin Lalchand	Koral Pharma Nasik	18/12/19 to 01/01/20
41	Malode Sayali Krushna	Sushila Pharma	18/12/19 to 01/01/20
42	Mhaskar Akshay B	S.R.A. Pharmaceuticals	01/08/2021-16/08/2021
43	Mukhedkar Samruddhi Devdatta	Glenmark, Nashik	18/12/2019-01/01/2020
44	Patel Sharmeen Anis	Relief Phyto Pharmaceuticals, Ambad, Nashik	18/12/2019-01/01/2020
45	Patil Pranav Anil	Glenmark, Nashik	18/12/2019-01/01/2020
46	Patil Saurabh Shivaji	Glenmark, Nashik	18/12/2019-01/01/2020
47	Patil Tushar Abhiman	Koral Pharma, Satpur, Nashik	18/12/2019-02/01/2020
48	Patra Moushumi Milon	Symphony Hospital, Nashik	18/12/2019-01/01/2020
49	Rajewar Sujata Rameshwar	Laxmi Medical And General Stores, Ardhapur, Nanded	18/12/2019-01/01/2020
50	Rajole Pratiksha Ramesh	Relief Phyto Pharmaceuticals, Ambad, Nashik	18/12/2019-01/01/2020
51	Rathod Kanchan Kamla Kar	Government Hospital, Nandgaon, Nashik	18/12/2019-01/01/2020
52	Raut Suraj Hemant	All Is Well Medical & Suppliers, Nashik	18/12/2019-01/01/2020
53	Sajgure Pratik Pravin	Shree Siddhivinayak Maternity & Nursing Home, Nashik	19/12/2019-01/01/2020
54	Shah Shubh Sanjay	Dhanvantari Medical & General Stores, Nashik	18/12/2019-01/01/2020
55	Shelke Abhishek Rajendra	Shivam Pharma, Nashik	18/12/2019-02/01/2020
56	Shinde Divya Gulab	Shivam Pharma, Nashik	18/12/2019-01/01/2020
57	Shinde Ganesh Vijay	All Is Well Medical & Suppliers, Nashik	18/12/2019-01/01/2020

58	ShindeSampadaSatish	Wintech Pharmaceuticals Ltd,Sinnar ,Nashik	18/12/2019-01/01/2020
59	ShindeShraddhaMadan	Glenmark, Nashik	18/12/2019-01/01/2020
60	ShirodeNiteshGovind	All Is Well Medical & Suppliers,Nashik	18/12/2019-01/01/2020
61	Singh KanikaSunilkumar	Ram Medical & General Stores ,Niphad ,Nashik	18/12/2019-01/01/2020
62	SomvanshiVivekMadan	Wintech Pharmaceuticals Ltd,Sinnar ,Nashik	18/12/2019-01/01/2020
63	ThakarePrajaktaMothabhau	Sahyadri Distributors ,Malegaon	18/12/2019-01/01/2020
64	Thakur MansiSubhash	Relief Phyto Pharmaceuticals, Ambad,Nashik	18/12/2019-01/01/2020
65	ThombareSakshi Prakash	Sandesh Distributors Pharmaceuticals & Consumer Stockist,Nashik	18/12/2019-01/01/2020
66	WaghJeevanPrabhakar	Dhanvantari Medical & General Stores ,Nashik	18/12/2019-01/01/2020
67	WaghKaveri Sanjay	Shree Vakratund Pharma, Saykheda,Niphad, Nashik	18/12/2019-01/01/2020
68	WakchaureSayaliBalasaheb	Sachi Pharma,Pharmaceutical Distributors, Tapovan,Nashik	18/12/2019-01/01/2020

CAYm2(2019-20)**Industry/Hospital Pharmacy Training**

Ro ll No .	Name of student	Name of organization where industrial/Hospital Pharmacy training/online courses was completed	Duration of training
1	Agrawal Tejal Nilesh	Hetal Pharma,Nashik	18/12/2019-01/01/2020
2	Bachhav Harshada Rajendra	Pashupakshi Aushadhalaya veterinary wholesalers and distributors Malegaon	18/12/2019-01/01/2020
3	Bagul Manasi Ashok	Hetal Pharma,Nashik	18/12/2019-01/01/2020
4	Bakare Nikita Anil	Shanti Agencies Pharmaceutical Distributors,Nashik	18/12/2019-01/01/2020
5	Barkale Pratiksha Raosaheb	Asteroid Pharma,Nashik	18/12/2019-01/01/2020
6	Batav Gaurav Sanjay	Burhani Hospital	18/12/2019-02/01/2020
7	Bhosale Sayali Sahebrao	Hetal Pharma,Nashik	18/12/2019-01/01/2020
8	Borse Prasad Arjun	Shivam Pharma,Nashik	18/12/2019-02/01/2020
9	Chavan Mitusha Devanand	Sahyadri Distributors ,Malegaon	18/12/2019-01/01/2020
10	Darade Sampada Deorao	Hetal Pharma,Nashik	18/12/2019-01/01/2020
11	Deore Dhanashri	Uniswiss Pharma,Nashik	18/12/2019-01/01/2020

	Subhash		
12	Dhepale Shantanu Balasaheb	Shivam Pharma,Nashik	18/12/2019-02/01/2020
13	Dunbale Saurav Rajendra	Mahavir Agengies,Yeola	18/12/2019-03/01/2020
14	Gadakh Prasad Suresh	Glenmark,Nashik	18/12/2019-01/01/2020
15	Gaikar Rushikesh Hemantkumar	Ashoka Distributors,Nashik	18/12/2019-01/01/2020
16	Gaikwad Prashant Subhash	Shriram Medical & General Stores	18/12/2019-01/01/2020
17	Gharate Twinkle Dadaji	Hetal Pharma,Nashik	18/12/2019-01/01/2020
18	Ghodke Ashutosh Sanjay	Panchavati Pharma Distributors,Nashik	18/12/2019-02/01/2020
19	Ghumare Trupti Raosaheb	Paras Pharma,Nashik	18/12/2019-01/01/2020
20	Gite Prachi Manik	Shree Distributors,Nasik	18/12/2019-01/01/2020
21	Gosavi Shraddha Rushigir	Glenmark, Nashik	18/12/2019-01/01/2020
22	Jadhav Poonam Balkrishna	Paras Pharma,Nashik	18/12/2019-01/01/2020
23	Jadhav Sarvesh Manoj	Glenmark, Nashik	18/12/2019-01/01/2020
24	Jadhav Sejal Rajesh	Glenmark, Nashik	18/12/2019-01/01/2020
25	Jeughale Saurabh Sahebrao	Kiran Agency,Nashik	19/12/2019-02/01/2020
26	Joshi Vedant Sunil	Shree Kapaleshwar Pharmaceutical Distributor,Nashik	18/12/2019-02/01/2020
27	Kachave Trupti Sunil	Glenmark, Nashik	18/12/2019-01/01/2020
28	Kadam Hrishikesh Trymbak	Shivam Pharma,Nashik	18/12/2019-02/01/2020
29	Kakad Gayatri Uday	Sandesh Distributors,Nashik	18/12/2019-01/01/2020
30	Kakad Prasad Deepak	Shivam Pharma,Nashik	18/12/2019-02/01/2020
31	Kakade Deshanand Vishwas	S.R.A Pharmaceuticals ,Nashik	18/12/2019-02/01/2020
32	Kale Priyanka Sunil	Shree Surya Surgi Pharma Pvt.Ltd,Nashik	18/12/2019-01/01/2020
33	Khode Shubhangi Rajendra	Wintech Pharmaceuticals Ltd,Sinnar ,Nashik	18/12/2019-01/01/2020
34	Koshti Rushikesh Sunil	Koral Pharma, Satpur,Nashik	18/12/2019-02/01/2020
35	Kotkar Mayur Kishor	Shivam Pharma,Nashik	18/12/2019-02/01/2020
36	Kudi Priya Surjaram	Relief Phyto Pharmaceuticals, Ambad,Nashik	18/12/2019-01/01/2020
37	Kulkarni Laalan Sachin	Ashwamedh Engineers & Consultants, Nashik	18/12/2019-02/01/2020
38	Kulkarni Smita Suhas	Reve Pharma,Sinnar ,Nashik	18/12/2019-02/01/2020

39	Lokhande Shailesh	Ankita	Glaxosmithkline Pharmaceuticals,Ltd,Nashik	19/12/2019-03/01/2020
40	Mahajan Lalchand	Sachin	Koral Pharma, Satpur,Nashik	18/12/2019-02/01/2020
41	Malode Krushna	Sayali	Shree Surya Surgi Pharma Pvt.Ltd,Nashik	18/12/2019-01/01/2020
42	Mhaskar Bhausahab	Akshay	Shivam Pharma,Nashik	18/12/2019-02/01/2020
43	Mukhedkar Samruddhi Devdatta		Glenmark, Nashik	18/12/2019-01/01/2020
44	Patel Sharmeen Anis		Relief Phyto Pharmaceuticals, Ambad,Nashik	18/12/2019-01/01/2020
45	Patil Pranav Anil		Glenmark, Nashik	18/12/2019-01/01/2020
46	Patil Saurabh Shivaji		Glenmark, Nashik	18/12/2019-01/01/2020
47	Patil Tushar Abhiman		Koral Pharma, Satpur,Nashik	18/12/2019-02/01/2020
48	Patra Milon	Moushumi	Symphony Hospital,Nashik	18/12/2019-01/01/2020
49	Rajewar Rameshwar	Sujata	Laxmi Medical And General Stores,Ardhapur, Nanded	18/12/2019-01/01/2020
50	Rajole Ramesh	Pratiksha	Relief Phyto Pharmaceuticals, Ambad,Nashik	18/12/2019-01/01/2020
51	Rathod Kamlakar	Kanchan	Government Hospital,Nandgaon,Nashik	18/12/2019-01/01/2020
52	Raut Suraj Hemant		All Is Well Medical & Suppliers,Nashik	18/12/2019-01/01/2020
53	Sajgure Pratik Pravin		Shree Siddhivinayak Maternity & Nursing Home,Nashik	19/12/2019-01/01/2020
54	Shah Shubh Sanjay		Dhanvantari Medical & General Stores ,Nashik	18/12/2019-01/01/2020
55	Shelke Rajendra	Abhishek	Shivam Pharma,Nashik	18/12/2019-02/01/2020
56	Shinde Divya Gulab		Shivam Pharma,Nashik	18/12/2019-01/01/2020
57	Shinde Ganesh Vijay		All Is Well Medical & Suppliers,Nashik	18/12/2019-01/01/2020
58	Shinde Satish	Sampada	Wintech Pharmaceuticals Ltd,Sinnar ,Nashik	18/12/2019-01/01/2020
59	Shinde Madan	Shraddha	Glenmark, Nashik	18/12/2019-01/01/2020
60	Shirode Govind	Nitesh	All Is Well Medical & Suppliers,Nashik	18/12/2019-01/01/2020
61	Singh Sunilkumar	Kanika	Ram Medical & General Stores ,Niphad ,Nashik	18/12/2019-01/01/2020
62	Somvanshi Madan	Vivek	Wintech Pharmaceuticals Ltd,Sinnar ,Nashik	18/12/2019-01/01/2020
63	Thakare Mothabhau	Prajakta	Sahyadri Distributors ,Malegaon	18/12/2019-01/01/2020
64	Thakur	Mansi	Relief Phyto Pharmaceuticals,	18/12/2019-01/01/2020

	Subhash	Ambad,Nashik	
65	Thombare Sakshi Prakash	Sandesh Distributors Pharmaceuticals & Consumer Stockist,Nashik	18/12/2019-01/01/2020
66	Wagh Jeevan Prabhakar	Dhanvantari Medical & General Stores ,Nashik	18/12/2019-01/01/2020
67	Wagh Kaveri Sanjay	Shree Vakratund Pharma, Saykheda,Niphad, Nashik	18/12/2019-01/01/2020
68	Wakchaure Sayali Balasaheb	Sachi Pharma,Pharmaceutical Distributors, Tapovan,Nashik	18/12/2019-01/01/2020

2.6. Continuous Evaluation Process(10)

(Mention the process followed and itseffectiveness)

Continuous evaluation is carried for regular monitoring of student's performance and keep them motivated throughout the semester. The evaluation is carried out under following components

2019/2018 Pattern (PCI Precribed syllabus)

- **Theory evaluation:** In a semester period, two sessional exams are conducted for 30 marks, average of two sessional exams is calculated and converted out of 15marks. For continuous assessment the marks allocated are awarded as per the scheme Attendance maximum 4 marks,Academic activities(Average of any three activities assignment,open book test, seminar) 3 marks,Student teacher interaction maximum marks 3, total of 10 marks. Internal theory assessment is done for 25 marks. For subjects remedial biology/mathematics, communication skills two sessional exams are conducted for 20 marks, average of two sessional exams is calculated and converted out of 10marks. For continuous assessment the marks allocated are awarded as per the scheme Attendance maximum 2 marks,Academic activities(Average of any three activities assignment,open book test, seminar) 1.5 marks,Student teacher interaction maximum marks 1.5 Total of 05 marks. Internal theory assessment is done for 15 marks. Therefore, the student is continuously engaged in the academic activity throughout the semester.
- **Practical Evaluation:** In the laboratory setup, the experiments are conducted as per the syllabus prescribed by the Savitribai Phule Pune University and identified gaps. Opportunities are given for acquiring practical skills to undergraduates wherever possible.
- **Continuous assessment for practical is carried for assessing all levels of knowledge: affective domain, cognitive skills and psychomotor skills. The writing of the practical records, submission and evaluation are done regularly. Viva voce /synopsis is conducted for every practical.**
 1. Affective Domain: Attendance-02 marks
 2. Cognitive skills: Viva /Synopsis -02 marks
 3. Psychomotor skills: Result/Record-01marks

Two sessional practical examinations are conducted for 40 marks each. Average of these marks is then converted out of 10 marks and 5 marks of continuous assessment.

For the teaching faculty, continuous evaluation with regard to their self improvement in teaching methodology, practical skills and professionalism is evaluated at the end of each semester through feedback from students and notified to higher authorities for further assessment and action. Best teachers are given appreciation letters and felicitated in meetings.

2015 pattern

- **Theory evaluation:** In a semester period, continuous assessment for theory 20 marks is done by exam as multiple choice questions 10 marks and assignment 10 marks. Sessional examination is conducted for 20 marks for one hour, question paper pattern is, as per guidelines of Savitribai Phule Pune University. After evaluation of answer paper students are given feed back on the performance, attendance of regularity, active interaction in the classroom are given due credit in the evaluation. Therefore, the student is continuously engaged in the academic activity throughout the semester.
- **Practical Evaluation:** In the laboratory setup, the experiments are conducted as per the syllabus prescribed by the Savitribai Phule Pune University and identified gaps. Opportunities are given for acquiring practical skills to undergraduates wherever possible.
- Continuous assessment for practical is carried for assessing various levels of knowledge: affective domain, cognitive skills and psychomotor skills. The writing of the practical records, submission and evaluation are done regularly. Viva voce /synopsis is conducted for every practical.
 - 1.Affective Domain: A-Attendance-01 marks B- Journal -01 marks,
 - 2.Cognitive skills: C- Viva /Synopsis -04 marks
 - 3.Psychomotor skills: D-performance-02 marks,E- result-02marks

Practical Assignment for 10 marks are given.

This 20 marks assessment is added to 20 marks sessional as internal practical marks for each students. Record for each is maintained.

- For the teaching faculty, continuous evaluation with regard to their self improvement in teaching methodology, practical skills and professionalism is evaluated at the end of each semester through feedback from students and notified to higher authorities for further assessment and action. Best teachers are given appreciation letters and felicitated in meetings.
- Teaching staff prepares teaching plan for individual subject in the beginning of semester, then submits weekly report, monthly report for monitoring of syllabus completion and other planned activities,syllabus completion report is submitted at the end of semester.
- Teaching staff are suggested to undergo FDP and QIP, in this academic year teachers enrolled for enhanced learning program such as NPTEL and MOOC conducted by IIT. Some of the staff members have completed such programs. Teachers also need to submit self-assessment form at the end of the academic year.
- During the COVID pandemic, online teaching methodologies were given due

importance for evaluation of assessing teaching –learning and assessment processes.

2.2.7. Quality of Experiments(20)

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

Quality of Experiments

- Mahatma Gandhi Vidyamandirs Pharmacy College has B.Pharm, M.Pharm (5 branches) programs and is also a renowned centre for research and has Ph. D Programs. We are equipped with the necessary facilities for research.
- Savitribai Phule Pune University has specified the list of Practicals in B.Pharmacy Syllabus. A few experiments are identified as GAP and added to enhance the understanding of theoretical concepts and to improve the quality of experimental skills. A few highlights are described below:
 - ✓ All laboratories are spacious and equipped with the necessary infrastructure for smooth conduction of experiments. Individual labs are equipped with necessary equipments, instruments and apparatus as prescribed by the Pharmacy Council of India.
 - ✓ The teachers are meritorious, well qualified and experienced for handling practical work.
 - ✓ The teachers strive to upgrade their laboratory skills in order to equip the students with recent updated knowledge with efficient psychomotor skills.
 - ✓ The practical batch size is of 20-22 students and this gives an opportunity to have better student–faculty interaction, thus moulding the student’s cognitive, affective and psychomotor domain. Each practical performance of the student is evaluated based on these three domains.
 - ✓ Students are provided hands on experience on equipments some of which are part of their theory syllabus.
 - ✓ The practicals of the B.Pharm program taken together from Sem I to Sem VIII involves skills addressing various Bloom levels depending on the respective course and year of study.
 - ✓ The central Instrumentation Room is equipped with sophisticated instruments (for PG research/ Ph. D research) like UV,IR, HPTLC, HPLC, AS, DSC, Freeze Dryer, Brookfield Viscometer, VLife MDS molecular Modeling softw, these facilities are also extended to facilitate the learning for UG students
 - ✓ Simulation experiments for Pharmacology are conducted regularly using X-Pharm software. The animal experiments conducted by PG students are also being exposed to UG students for further assimilation of theoretical concepts. Safe, ethical handling of animals with humane care is taught while conducting suitable demonstration experiments on animals.
 - ✓ Industrial exposure through visits also redefines certain not well explained theoretical/practical concepts.
 - ✓ 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 as per the EHS policy.
 - ✓ 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.

- ✓ Students are explained the importance of documentation and advised on how to present their records with appropriate result and discussion.
- ✓ During online COVID pandemic, the practicals (experiments) were dealt in a way that would make the students easier to grasp. Virtual labs/ softwares/ you tube videos/ videos prepared in laboratory were used to deliver the practical principles and procedures to students.

Sr.No	Assessment Parameters	Marks	
		Prescribed	Institute
2			
2.1	Program Curriculum (40)		
2.1.1	Delivery of Syllabus Contents and compliance of the curriculum for attainment of Pos	10	10
2.1.2	State the delivery details of the contents beyond the Syllabus for the attainment of POs	20	15
2.1.3	Adherence to Academic Calendar	10	10
		40	35
2.2	Teaching-Learning Processes (110)		
2.2.1	Initiatives in teaching and learning process	15	13
2.2.2	Quality of internal semester question papers, assignments and evaluation	20	17
2.2.3	Quality of Students projects	10	09
2.2.4	Initiatives related to Industry and/or Hospital Interaction	10	08
2.2.5	Initiatives related to skill Development Programs /industry internship/summer training	20	13
2.2.6	Continuous Evaluation Process	10	08
2.2.7	Quality of Experiments	20	15
		110	83
	Total	150	118

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

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

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

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

Course Name: Ciii Year of Study: YYYY – YY; For ex. C202 Year of Study:

CAY m2 (2019-20)

Table- 3.1.1: Course Outcomes

F. Y. B. Pharm. (Rev. 2019 Pattern)

Course: Human Anatomy and Physiology (BP101T)

Study year: 2019-20

CO	Students will be able to
C101T. 1	Understand basic life processes, various homeostatic mechanisms and their imbalances.
C101T. 2	Explain anatomy and physiology of various body systems and understand their coordinated working.
C101T. 3	Understand composition and functions of body fluid and blood
C101T. 4	Explain various axial, appendicular bones of body and joints they formed.

Course: Human Anatomy and Physiology – Practical (BP107P)

Study year: 2019-20

CO	Students will be able to
C107P.1	Identify bones of axial and appendicular skeleton
C107P.2	Clarify process, mechanisms and significance of various haematological parameters
C107P.3	Study of permanent histological slides of various tissue
C107P.4	Determine blood pressure and understand its significance

Course: Biochemistry (BP203T)

Study year: 2019-20

CO	Students will be able to
C203T.1	Understand classification, metabolism, diseases related to metabolism of different biomolecules like carbohydrates, proteins, fats.
C203T.2	Remember the genetic organization of mammalian genome and functions of DNA in the synthesis of RNAs and proteins.
C203T.3	Understand the catalytic role of enzymes and importance of enzyme in biochemical process.
C203T.4	Summarize the biological oxidation and bioenergetics

Course: Biochemistry- Practical (BP209P)

Study year: 2019-20

CO	Students will be able to
C209P.1	Identify Carbohydrates, proteins and amino acids in given sample and abnormal constituents in urine sample
C209P.2	Estimate blood creatinine, blood sugar, total cholesterol in serum, proteins and reducing sugar.
C209P.3	Understand the effect temperature and substrate concentration on salivary amylase activity.
C209P.4	Prepare buffer solution and measure the PH of it.

S. Y. B. Pharm. (2018 pattern)**Course:** Physical Pharmaceutics- I (BP302T)

Study year: 2019-20

CO	Students should be able to
C302T.1	Understand the various physicochemical properties of drug molecules and their applications in designing the dosage form.
C302T.2	Summarize the principles of physical properties such as solubility, partition coefficient, surface tension, complexation, pH and buffer in pharmaceutical practices.
C302T.3	Explain the principles of states of matter like latent heat, vapour pressure, liquid complexes, amorphous, polymorphism, adsorption, protein binding and isotonic solutions.
C302T.4	Relate the principles of protein binding, complexation and isotonicity in drug action.

Course: Physical Pharmaceutics- I Practical (BP306P)

Study year: 2019-20

CO	Students should be able to
C306P. 1	Demonstrate different laboratory apparatus and instruments required to determine various physical properties such as solubility, partition coefficient, surface tension and adsorption.
C306P. 2	Apply the principles of physical properties such as solubility, partition coefficient, surface tension, complexation, pH , buffer and factors affecting it in designing dosage form.
C306P. 3	Determine the solubility, partition coefficient, pKa, surface tension, HLB, CMC and stability constants of the complexes.
C306P. 4	Interpret the principles of pH, pKa, protein binding , complexation, buffer capacity and isotonicity in drug action.

Course: Physical Pharmaceutics- II (BP403T)

Study year: 2019-20

CO	Students will be able to
C403T.1	Explain the fundamentals of rheology , types of flow, viscoelasticity, thixotropy and its measurement.
C403T. 2	Discuss about chemical kinetics, rate and order of reaction and its application in accelerated stabilities.
C403T. 3	Illustrate the different properties of powders, determination of methods and importance of flow properties in pharmacy.
C403T. 4	Define colloids, classification, properties, preparation and purification methods.

Course: Physical Pharmaceutics- II Practical (BP407P)

Study year: 2019-20

CO	Students shall be able to
C407P.1	Determine various physical properties such as viscosity, flow properties and reaction rate constants of formulation.
C407P. 2	Calculate the particle size distribution by sieving, microscopy method and flow properties of pharmaceutical products.
C407P. 3	Determine the effect of suspending agent and conc.of suspending agents on sedimentation volume.
C407P. 4	Understand the principles of chemical kinetics and its application in accelerated stability study of pharmaceuticals.

T. Y. B. Pharm. (2015 Pattern)**Course:** Analytical Pharmacognosy & Extraction Technology (355T)

Study year: 2019-20

CO	Students will be able to
C355T.1	Describe conventional & advance extraction techniques with principle, method, application, merits & demerits.
C355T.2	Explain principle and application of chromatographic and non-chromatographic separation techniques.
C355T.3	Apply conventional and advance extraction methods for phytochemicals specified and draw schematic representation of it. .
C355T.4	Analyze difficulties, social relevance, significance and evaluation of herbal drugs for quality control parameters as per WHO guidelines along with GLP and Current approaches for standardization of crude drugs.

Course : Analytical Pharmacognosy & Extraction Technology - Practical (355P) Study year 2019-20

CO	Students will be able to
C355P.1	Develop micrometric data as evaluation parameter for the crude drugs.
C355P.2	Apply extraction techniques for isolation & characterization of phyto constituents from herbals by conventional as well as modern methods
C355P.3	Evaluate crude drugs for quality control parameters as per WHO guidelines.
C355P.4	Apply chromatographic techniques for secondary metabolites isolation

Course: Pharmacology-III (364T)

Study year 2019-20

CO	Students will be able to
C364T.1	To explain the pharmacology and pharmacotherapy of anaesthesia
C364T.2	To select rational approach and appropriate method in the management of patients with specific CNS disorders
C364T.3	To recall the responsibility of pharmacist in the clinical management of alcoholics and take part in to assess societal, health safety and socio-economic issues related with it

C364T.4	To outline the important drugs in the pharmacotherapy of RA, OA and Gout and communicate the rational approach and clinical management of inflammatory disorders and pain
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Course: Pharmacology-III- Practical (364P)

Study year 2019-20

CO	Students will be able to
C364P.1	To define guidelines and ethical principles in bioassay study
C364P.2	To plan appropriate method of bioassay to analyze the effect of various drugs
C364P.3	To identify/ assess the effect of drug by using computerized simulation softwares
C364P.4	To discuss safety and socio-environmental issue in the pre-clinical screening of various drugs

Final Year B. Pharm. (2015 Pattern)**Course:** Medicinal Chemistry III (473T)

Study year 2019-20

CO	Student will be able to
C473T.1	Illustrate general aspects of the design & development of antibiotics, antineoplastic agents, antiinfective agents.
C473T.2	Classify antibiotics, antineoplastic agents, antiinfective agents with examples.
C473T.3	Explain SAR, MOA therapeutic uses, adverse effects of antibiotics, antineoplastic agents, antiinfective agents
C473T.4	Design scheme for synthesis of medicinally useful drugs.

Course: Medicinal Chemistry III Practical (473P)

Study year 2019-20

CO	Student will be able to
C473P.1	Plan ,synthesise and monitor reactions over TLC of medicinally important drugs/drug intermediates.
C473P.2	Interpret synthesised compounds by spectral characterizations.
C473P.3	Develop skills involved in purification of synthesised compounds by chromatography techniques.
C473P.4	Explain techniques like Gas chromatography, Atomic absorbtion

Course: Natural Products: Commerce, Industry & Regulations (486T) Study year 2019-20

CO	Students will able to
C486T.1	Classify and explain different segments in market, demand and supply position, export-import potential of Indian herbal drugs, government organizations, regulation and patenting in herbal drug industry.
C486T.2	Understand and explain safe use of herbal drugs and their toxicities, herbal - drug/ herbal-food interactions.
C486T.3	Describe need and significance of pharmacovigilance of herbal medicine with WHO guidelines on safety monitoring of herbals.
C486T.4	Understand and classify plant allergens and their symptoms, diagnosis and treatment with method of preparation of allergenic extracts.

C101T is theory course of first year B.Pharm., first semester and 1 to 4 are the course outcomes of this course.

Observations:

1. Course outcomes are minimum four in numbers for theory as well as practicals.
2. Course outcomes are drafted covering syllabus of respective courses based on skills and knowledge gained by students.

3. Course outcomes are drafted with respect to Bloom's revised taxonomy.

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)

The POs are assigned to each course outcomes, for each course (subject) in each year.

The mapping of each PO with the course outcomes are done by the individual subject teacher after complete study of the program outcomes. Key phrases were identified from each PO after discussion in staff meeting and mapping done with respect to matching key phrases and which is further critically reviewed in departmental meetings with HODs.

Each PO was assessed as high (3), moderate (2) and low (1) attainment levels and (-) indicates no mapping with respective PO. The average of each PO was made and further averaged for each course outcomes as given in Table 3.1.2.

Table 3.1.2

Course code/ Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
BP101T Human Anatomy and Physiology-I	Student will be able to C101T. 1. Understand basic life processes, various homeostatic mechanisms and their imbalances.	3	1	3	2	1	3	2	3	3	1	3
	C101T. 2. Explain anatomy and physiology of various body systems and understand their coordinated working.	3	1	2	2	2	3	3	3	3	1	3
	C101T. 3. Understand composition and functions of body fluid and blood	3	1	2	2	1	2	2	3	3	3	3
	C101T. 4. Explain various axial, appendicular bones of body and joints they formed.	3	1	3	3	2	3	2	3	3	1	3
	Average = 2.34	3	1	2.5	2.2 5	1.5	2.7 5	2.2 5	3	3	1.5	3

Course code/ Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
BP107P Human Anatomy and Physiology-I	Student will be able to C107P.1 Identify bones of axial and appendicular skeleton	3	2	3	3	2	3	3	3	3	1	3
	C 107P.2 Clarify process, mechanisms and significance of various haematological parameters	3	3	3	1	2	3	2	3	3	3	3
	C107P.3 Study of permanent histological slides of various tissue	2	2	2	2	1	2	2	3	3	1	3
	C107P.4 Determine blood pressure and understand its significance	3	2	3	2	3	2	3	3	3	1	3
	Average = 2.48	2.7 5	2.2 5	2.7 5	2	2	2.5	2.5	3	3	1.5	3

Course code/ Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
B.P.203T Biochemistry	Students will able to BP203T.1 Understand classification, metabolism, diseases related to metabolism of different biomolecules like carbohydrates, proteins, fats.	3	1	3	3	3	3	2	3	3	2	3
	B.P.203T .2 Remember the genetic organization of mammalian genome and functions of DNA in the synthesis of RNAs and proteins.	3	1	3	3	2	3	3	3	3	3	3
	B.P.203 T.3 Understand the catalytic role of enzymes and importance of enzyme in biochemical process.	3	2	3	3	3	2	2	3	3	3	3
	B.P.203 T.4 Summarize the biological oxidation and bioenergetics	3	3	3	3	3	3	2	3	3	3	3

	Average = 2.75	3	1.7 5	3	3	2.7 5	2.7 5	2.2 5	3	3	2.7 5	3
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Course code/ Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
3B.P.209P Biochemistry	Students will able to BP 209 P.1 Identify Carbohydrates, proteins and amino acids in given sample and abnormal constituents in urine sample	3	3	3	3	2	3	2	3	2	2	3
	BP.209 P.2 Estimate blood creatinine, blood sugar, total cholesterol in serum, proteins and reducing sugar.	3	3	3	3	3	3	2	3	3	2	3
	BP.209.P.3 Understand the effect temperature and substrate concentration on salivary amylase activity.	3	3	3	2	2	3	2	3	3	1	3
	BP.209.P.4 Prepare buffer solution and measure the pH of it.	2	3	3	3	2	3	2	3	2	3	3
	Average = 2.66	2.7 5	3	3	2.7 5	2.2 5	3	2	3	2.5	2	3

Course code/ Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
BP302T Physical Pharmaceutics-I	Students will be able to C302T. 1. Understand the various physicochemical properties of drug molecules and their applications in designing the dosage form.	2	2	3	3	2	1	1	3	3	3	3
	C302T. 2. Summarize the principles of physical properties such as solubility, partition coefficient, surface tension, complexation, pH and buffer in pharmaceutical practices.	2	2	3	3	2	1	1	3	3	3	3
	C302T. 3. Explain the	2	2	3	3	2	1	1	3	1	2	3

	principles of states of matter like latent heat, vapour pressure, liquid complexes, amorphous, polymorphism, adsorption, protein binding and isotonic solutions.											
	C302T. 4. Relate the principles of protein binding, complexation and isotonicity in drug action.	2	2	3	3	2	1	1	3	3	2	3
	Average = 2.27	2	2	3	3	2	1	1	3	2.5	2.5	3

Course code/ Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
	Student will be able to C306P. 1. Operate different laboratory apparatus and instruments required to determine various physical properties such as solubility, partition coefficient, surface tension and adsorption.	2	2	3	3	2	3	2	3	3	3	3
	C306P. 2. Apply the principles of physical properties such as solubility, partition coefficient, surface tension, complexation, pH, buffer and factors affecting it in designing dosage form.	2	2	3	3	2	3	2	3	3	3	3
	C306P. 3. Determine the solubility, partition coefficient, pKa, surface tension, HLB, CMC and stability constants of the complexes.	2	2	3	3	2	3	2	3	3	3	3
	C306P. 4. Interpret the principles of pH, pKa, protein binding, complexation, buffer capacity and isotonicity in drug action.	2	2	3	3	2	3	2	3	3	2	3
	Average =2.61	2	2	3	3	2	3	2	3	3	2.75	3

Course code/ Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
Physical Pharmaceutics II BP403T	Students will be able to C403T. 1. Explain the fundamentals of rheology, types of flow, viscoelasticity, thixotropy and its measurement.	2	2	3	3	1	1	1	3	2	3	3
	C403T. 2. Discuss about chemical kinetics, rate and order of reaction and its application in accelerated stabilities.	2	2	3	3	1	1	1	3	2	3	3
	C403T. 3. Illustrate the different properties of powders, determination of methods and importance of flow properties in pharmacy.	2	2	3	3	1	1	1	3	3	3	3
	C403T. 4. Define colloids, classification, properties, preparation and purification methods.	2	2	3	2	1	1	1	3	3	3	3
	Average = 2.22	2	2	3	2.7 5	1	1	1	3	2.7 5	3	3

Course code/ Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
Physical Pharmaceutics II BP407P	Students will be able to C407P.1. Determine various physical properties such as viscosity, flow properties and reaction rate constants of formulation.	2	2	3	3	2	1	1	3	3	3	3
	C407P. 2. Calculate the particle size distribution by sieving, microscopy method and flow properties of pharmaceutical products.	2	2	3	3	2	1	1	3	3	3	3
	C407P. 3. Determine the effect of suspending agent and conc. of suspending agents on sedimentation volume.	2	2	3	3	2	1	1	3	3	3	3

	C407P. 4. Understand the principles of chemical kinetics and its application in accelerated stability study of pharmaceuticals.	2	2	3	3	2	1	1	3	3	3	3
	Average = 2.36	2	2	3	3	2	1	1	3	3	3	3

Course code/ Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
3.5.5 T Analytical Pharmacognosy & Extraction Technology	Students will be able to CO.355T.1 Describe conventional & advance extraction techniques with principle, method, application, merits & demerits.	1	3	3	3	1	3	2	3	2	3	2
	CO.355T.2- Explain principle and application of chromatographic and non-chromatographic separation techniques.	1	3	3	3	1	3	2	3	2	3	2
	CO.355T.3- Apply conventional and advance extraction methods for phytochemicals specified and draw schematic representation of it. .	3	3	3	3	1	3	2	3	2	3	3
	CO-355T.4 Analyze difficulties, social relevance, significance and evaluation of herbal drugs for quality control parameters as per WHO guidelines along with GLP and Current approaches for standardization of crude drugs.	1	2	3	1	1	3	2	3	3	1	2
	Average = 2.34	1.5	2.75	3	2.5	1	3	2	3	2.25	2.5	2.25

Course code/ Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
3.5.5. P Analytical Pharmacognosy & Extraction Technology	Students will be able to CO-355P.1. Develop micrometric data as evaluation parameter for the crude drugs.	1	2	2	3	1	2	1	3	1	-	2
	CO-355P.2 Apply extraction techniques for isolation & characterization of phyto constituents from herbals by conventional as well as modern methods	2	3	3	2	1	3	2	3	1	3	3
	CO.355P.3 Evaluate crude drugs for quality control parameters as per WHO guidelines.	1	2	2	2	1	3	1	3	1	-	2
	CO.355P.4 Apply chromatographic techniques for secondary metabolites isolation	1	2	3	2	1	3	2	3	2	1	3
	Average = 1.93	1.2 5	2.2 5	2.5	2.2 5	1	2.7 5	1.5	3	1.2 5	1	2.5

Course code/ Course title	Course Outcomes	1	2	3	4	5	6	7	8	9	10	11
3.6.4 T Pharmacology III	Students will be able to To explain the pharmacology and pharmacotherapy of anaesthesia	3	2	0	1	0	0	1	0	0	0	3
	To select rational approach and appropriate method in the management of patients with specific CNS disorders	3	3	2	1	0	2	2	1	1	0	3
	To recall the responsibility of pharmacist in the clinical management of alcoholics and take part in to assess societal, health safety and socio-	3	1	2	2	1	2	2	2	3	1	3

	economic issues related with it											
	To outline the important drugs in the pharmacotherapy of RA, OA and Gout and communicate the rational approach and clinical management of inflammatory disorders and pain	3	2	1	2	0	2	1	1	1	1	3
	Average = 1.52	3	2	1.25	1.5	0.25	1.5	1.5	1	1.25	0.5	3

Course code/ Course title	Course Outcomes	1	2	3	4	5	6	7	8	9	10	11
BP 3.6.4 P Pharmacology III	Students will be able to To define guidelines and ethical principles in bioassay study	3	0	0	3	1	2	3	1	1	1	3
	To plan appropriate method of bioassay to analyze the effect of various drugs	3	3	2	3	0	1	1	0	0	0	3
	To identify/ assess the effect of drug by using computerized simulated softwares	3	0	0	3	0	1	0	0	0	0	3
	To discuss safety and socio-environmental issue in the pre-clinical screening of various drugs	3	0	1	2	1	2	3	2	2	2	3
	Average = 1.47	3	0.75	0.75	2.75	0.5	1.5	1.75	0.75	0.75	0.75	3

Course code/ Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
4.7.3T Medicinal Chemistry III	Student will be able to											
	Illustrate general aspects of the design & development of antibiotics, antineoplastic agents, anti-infective agents.	3	-	2	-	1	3	2	3	3	2	3

	Classify antibiotics, antineoplastic agents, antiinfective agents with examples.	3	1	3	-	1	2	1	3	3	2	3
	Explain SAR, MOA therapeutic uses, adverse effects of antibiotics, antineoplastic agents, antiinfective agents	3	1	3	2	3	2	2	3	3	2	3
	Design scheme for synthesis of medicinally useful drugs.	3	3	3	2	2	3	1	3	3	1	3
	Average = 2.22	3	1.25	2.75	1.0	1.75	2.5	1.5	3	3	1.75	3

Course code/ Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
4.7.3 P Practical Med Chem III	Student will be able to											
	Plan ,synthesise and monitor reactions over TLC of medicinally important drugs/drug intermediates.	3	3	3	2	1	3	2	3	2	2	3
	Interpret synthesised compounds by spectral characterisations.	3	3	3	3	1	2	2	3	1	-	3
	Develop skills involved in purification of synthesised compounds by chromatography techniques.	3	3	3	2	1	3	2	2	2	3	3
	Explain techniques like Gas chromatography, Atomic absorbtion	3	3	3	3	1	3	2	2	1	1	3
	Average = 2.25	3	3	3	2.50	1	2.75	2	2.50	1.5	1.5	3

Course code/Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
4.8.6 T Natural Products: Commerce, Industry & Regulations	Students will able to Classify and explain different segments in market, demand and supply position, export-import potential of Indian herbal drugs, government organizations, regulation and patenting in herbal drug industry.	3	3	3	2	1	2	3	3	3	1	3
	Understand and explain safe use of herbal drugs and their toxicities, herbal - drug/ herbal-food interactions.	3	1	3	2	1	3	3	3	2	1	3
	Describe need and significance of pharmacovigilance of herbal medicine with WHO guidelines on safety monitoring of herbals.	2	1	3	-	2	3	2	3	3	1	3
	Understand and classify plant allergens and their symptoms, diagnosis and treatment with method of preparation of allergenic extracts.	2	3	3	2	1	3	3	3	3	2	3
	Average = 2.38	2.5	2	3	2	1.2 5	2.7 5	2.7 5	3	2.7 5	1.2 5	3

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

1: Slight (low)

2: Moderate (Medium)

3: Substantial (High)

If there is no correlation, put ‘-‘

Observations:

1. Key phrases were identified from each PO after discussion in staff meeting and mapping

done with respect to matching key phrases.

2. More than 70% of key phrases matching then attainment given as high (3), 50 to 69% matching is given with moderate attainment (2), 1 to 49% matching is given with low attainment (1) and if no any phrase is matching then put '-'.
 3. This mapping is further critically reviewed in departmental meetings with HODs.

Each PO was assessed as high (3), moderate (2) and low (1) attainment levels and (-) indicates no mapping with respective PO.

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

In Table 3.1.2, the matrixing of course outcomes and program outcomes was attempted. This table contained several details and given for eight semesters. The details of all courses for all semesters are combined and given in Table 3.1.3. Information given in Table 3.1.3 is same with that of table 3.1.2. Matrixing of Course outcome with PO are done. Average of each PO is the made by using the scale 1 to 3 (low to high) from COs and then averages of each PO are again compiled as average of course outcome.

Table 3.1.3 Course-PO matrix of courses for all four years of study 2019-20

	PO1	PO2	PO3	PO4	PO 5	PO6	PO7	PO8	PO9	PO10	PO11	Avg.
BP101T	3	1	2.5	2.25	1.5	2.75	2.25	3	3	1.5	3	2.34
BP102T	2.5	3	3	3	2.75	2	2.5	3	2	2	3	2.61
BP 103T	2	2	2.5	3	1	2	2	3	3	2	3	2.31
BP 104T	2.25	2	3	1.5	1	1.75	1	3	2	3	3	1.86
BP 105T	1	1.5	2.5	0.25	1	1.50	0.25	3	0.25	0.5	2	1.25
BP 106RBT	3	2	2.75	2	2	2.5	2.75	2.75	2.5	2	3	2.48
BP 106RMT	3	2	2.5	2.5	3	2.5	2	3	2	1	2.25	2.43
BP 107P	2.75	2.25	2.75	2	2	2.5	2.5	3	3	1.5	3	2.48
BP 108P	2	2.5	2.5	2.75	2.75	2	1.75	3	1	1	3	2.20
BP 109P	2.5	2.25	3	2.75	1.5	2.25	2	3	2	0.75	2.75	2.25
BP 110P	2	2	3	2.5	2	2.25	2.5	3	2.75	3	2.75	2.52
BP 111P	1	1.5	2.5	0.25	1	1.50	0.25	3	0.25	0.5	2	1.25

BP 112RBP	3	2.5	3	2.25	2.25	2.75	3	3	2.5	1.5	3	2.61
BP201T	3	1.75	2.75	1.75	1.75	2	1.75	2.25	2	1	3	2.09
BP202T	1.75	1.25	2.5	2.5	1.5	1.75	1.5	2.75	2	2.5	2.25	2.02
BP203T	3	1.75	3	3	2.75	2.75	2.25	3	3	2.75	3	2.75
BP204T	1	1.5	2.5	0.25	1	1.50	0.25	3	0.25	3	2	1.48
BP205T	1	1.25	2	3	1	1	0.5	1	2	0.25	2.5	1.40
BP206T	1	1.5	2.5	0.25	1	1.50	0.25	3	0.25	3	2	1.48
BP207P	3	2	2.5	2	2	2	2	3	3	1.5	3	2.36
BP208P	1.5	1.75	2.25	2	1.5	1.75	1	2.25	1.5	2.25	1.75	1.77
BP209P	2.75	3	3	2.75	2.25	3	2	3	2.5	2	3	2.66
BP210P	1	1.25	2	3	0.25	1	0.5	1	2	0.25	2.5	1.34
BP301T	2.75	1.5	3	1.5	2.25	2.5	1	2.5	2	1.25	3	2.11
BP302T	2	2	3	3	2	1	1	3	2.5	2.5	3	2.27
BP303T	3	1.75	2.75	2.25	2	2	2.5	2	2	2	2.5	2.25
BP304T	3	1.75	2.75	2.25	1.5	1.5	2.5	2	2	2	2.5	2.11
BP305P	3	2.75	2.75	1.25	2.25	2.5	2	3	2	1.5	3	2.36
BP306P	2	2	3	3	2	3	2	3	3	2.75	3	2.61
BP307P	3	1.75	2.75	2.25	1.5	1.5	2.5	2	2	2	2.5	2.15
BP308P	3	1.75	2.75	2.25	1.5	1.5	2.5	2	2	1.5	2.5	2.11
BP401T	2.75	1	2.75	1.25	1.25	2.50	1.0	1.0	1.25	1.0	3	1.70
BP 402T	3	2.5	3	2.75	2	3	2	3	3	3	3	2.75
BP 403T	2	2	3	2.75	1	1	1	3	2.75	3	3	2.22
BP 404T	3	3	3	1.5	2	3	3	3	3	1	3	2.59
BP 405T	1.75	2.25	3	1.75	1	3	2.25	3	2.5	1.75	2	2.21
BP 406P	3	2	3	2.25	1.25	1	1.75	1.75	1	-	3	1.85
BP 407P	2	2	3	3	2	1	1	3	3	3	3	2.36
BP 408P	3	2.5	3	2.25	2	3	2.25	3	2	1.5	1.75	2.39

BP 409P	1	2	3	2.5	1	2.5	1	3	1	-	1.75	1.70
351T	3	2.25	2	1.75	2	2	1.75	2	2	1	2.25	2
351P	3	3	2	2	2	2	2	2	1.75	1	2.25	2.09
352T	3	2	2	1.75	1	2	1	2	1.25	1.5	3	1.86
352P	3	3	3	3	2	2	1.75	2	1	1	3	1.70
353T	3	2	1	1	-	1	1	1	1	-	3	1.27
353P	3	2	2	1	-	1	1	1	1	1	3	1.54
354T	3	2	1	0.5	1.75	1.75	2	2	2.25	1.75	3	1.90
354P	3	1.75	2	2.75	1.5	1.75	2.25	1.5	1.25	1.5	3	2.02
355T	1.5	2.75	3	2.5	1	3	2	3	2.25	2.5	2.25	2.340
355P	1.25	2.25	2.5	2.25	1	2.75	1.5	3	1.25	1	2.5	1.93
356T	1.75	2.5	0.75	2	2	1.8	2.25	2.5	1.25	1.25	2.5	1.86
357T	3	2	1	1	-	1	1	1	1	-	3	1.27
361T	3	2.5	2.75	2.25	1.5	1.5	2.5	2	2	2.0	2.5	2.22
361P	3	2.5	2.75	2.25	2	1.5	2.5	2	2.5	2.0	2.5	2.31
362T	3	2	2	2	2	2	1	2	1	1.5	3	1.95
362P	3	3	2.75	3	2	2	2	2	1.5	1.5	3	2.34
363T	3	2	1	1	1	1	1	2	1.5	-	3	1.5
363P	3	2	2	1	1	1	2	1	1	1	3	1.64
364T	3	2	1.25	1.5	0.25	1.5	1.5	1	1.25	0.5	3	1.52
364P	3	0.75	0.75	2.75	0.5	1.5	1.75	0.75	0.75	0.75	3	1.47
365T	1.5	2.5	2.75	1.5	1	2.5	1.75	2.75	2.5	1.25	2	2
365P	1.25	3	3	2	1	2.5	1.5	3	2.5	1.75	2.5	2.181
366T	3	1.25	2.25	2.50	1.00	2.25	1	2	2.25	0.25	2	1.975
367T	3	2	2.5	2.75	2	2.5	3	2	3	2.25	2.75	2.52
471T	2.6	1.8	2.2	2.2	1.6	2.6	1.8	2	2.6	1.2	2.4	2.090
471P	2.75	2.5	2.25	2.25	1.5	2.25	2	2	2.25	1	2.25	2.086
472T	3	3	3	3	3	3	2	3	2.5	2	2	2.68
472P	2.75	2.5	3	2.75	2.5	2.75	2	3	2	2	3	2.84
473T	3	1.25	2.75	1.0	1.75	2.5	1.5	3	3	1.75	3	2.22
473P	3	3	3	2.50	1	2.75	2	2.50	1.5	1.5	3	2.25

474T	3	1	3	2.25	2	2.25	2.5	3	2.5	1.5	3	2.36
474P	3	2.33	3	1.33	2	2.67	2	3	2.67	1.33	3	2.39
475T	2	2.5	3	2	1.5	3	2.75	3	3	1.5	2.75	2.45
475P	1.5	2.25	3	1.75	1	2.75	1.75	3	3	1.5	2	2.136
476T	1.5	2.25	3	1.75	1	2.75	1.75	3	3	1.5	2	2.72
477T	2.75	3	3	1	3	3	3	3	3	2	3	2.70
481T	2.5	2	2.25	2	1.5	1.75	1.5	1	1.5	1.25	2.25	1.77
481P	2.75	2.25	2.25	2	1.5	2.25	1.75	1.5	1.25	1	2.25	1.88
482T	3	2.6	2	1	2	2	2	2	2	2	2.2	2.07
482P	3	2.8	2	2	2	2	2	2	2	1	2.4	2.01
483T	3	3	3	3	2.75	3	2	3	2	2	2	2.61
483P	2.75	2	3	2.75	2.5	2.75	2	3	2	2	3	2.52
484T	2.75	1.0	2.75	1.25	1.75	2.75	1.25	2.5	2.5	0.25	3	1.97
484P	3	2	3	2.5	1.25	2.0	1.0	2.0	1.25	1.25	3	2.02
485T	3	3	3	2.75	2.5	2.75	2.75	2.75	2.75	1.75	3	2.72
485P	3	3	2.75	2.5	2	2.5	2	3	2.5	2	3	2.57
486T	2.5	2	3	2	1.25	2.75	2.75	3	2.75	1.25	3	2.38
487T	2.6	2.8	2	2.4	2.4	2.8	2.2	3	3	2.8	2	2.54

The following are the observations from the Table 3.1.3

1. PO 1 and PO 11 have highly attainable values for theory subjects.
2. For practical courses, PO 1 to PO 4 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 (required attainment) 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)

(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)

Assessment process is divided into two

parts

1. Internal examination

2. University examination

Internal Theory Examination is assessed by Theory papers, MCQ, assignments, open book test, student's attendance and student teacher interaction.

Theory papers involved short answers as well as long answers questions. MCQ is multiple choice questions. Assignments involve long answers type questions. Question pattern in assignments is uniform for all courses. Different questions are given to different group of students for assignment.

Practical internal examination is assessed by Assignments, Journal marks, Continuous evaluation of practicals and practical test.

University examination is carried out by Savitribai Phule Pune University. As the university does not provide average marks we have set target level for every year.

For the year 2019-20 target level is set for 58% for both theory and practical courses.

For the year 2020-21, target level is set for 61% for both theory and practical courses.

For the year 2021-22, target level is set for 64% for both theory and practical courses.

If 50 to 59% of students have obtained marks above target level then attainment is considered as low -1.

If 60 to 69% of students have obtained marks above target level then attainment is considered as moderate -2.

If 70 % and above students have obtained marks above target level 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:

Program	Year(Pattern)	%Weightage Internal Examination	%Weightage University Examination
F.Y.B.Pharm.	2019-20 (2019)	25	75
S.Y.B.Pharm.	2019-20 (2018)	25	75
T.Y.B.Pharm and Final Year B.Pharm	2019-20 (2015)	40	60
F.Y.B.Pharm, S.Y.B.Pharm	2020-21 (2019)	25	75
T.Y.B.Pharm.	2020-21 (2018)	25	75
Final Year BPharm	2020-21 (2015)	40	60
F.Y.B.Pharm., S.Y.B.Pharm,T.Y.B.Pharm	2021-22 (2019)	25	75
Final Year B.Pharm	2021-22 (2018)	25	75

Accordingly calculations are made for all courses for all 2019-20, 2020-21 and 2021-22. **3.2.2 Record the attainment of Course Outcomes of all courses with respect to set attainment levels (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 mid term 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 weightages appropriately for University exams and internal assessment with due justification.*

Course Outcome Attainment:

As per the curriculum prescribed by SPPU weightages of University end semester examination marks and internal examination marks were considered and it was decided to calculate the CO attainments as follows : (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 3: 1.8+1.2=3

(2018 and 2019 Pattern): 75% weightage is given to university examination and 25% weightage is given to internal assessment, the attainment calculations are as follows:

75% of 3 + 25% of 3: 2.25+ 0.75=3

Table 3.2.2: Attainment of Course Outcomes (2019-20)

Course code	Course Name	University Attainment		Sessional Attainment		Attainment Level		% Attainment Achieved	Attainment in scale of 3
		100%	75%	100%	25%	Achieved	Required		
First Year B. Pharm(2019 Pattern)									
BP101 T	Human Anatomy and Physiology – I	0	0	2	0.5	0.5	2.34	21.37	0
BP102	Pharmaceutica	0	0	3	0.75	0.75	2.61	28.74	0

T	I Analysis- –I								
BP103 T	Pharmaceutics -I	0	0	3	0.75	0.75	2.31	32.46	0
BP104 T	Pharmaceutica l Inorganic Chemistry – I	0	0	3	0.75	0.75	1.86	40.32	0
BP105 T	Communicatio n Skills	3	2.25	3	0.75	3	1.25	240	3
BP106 RBT	Remedial Biology	3	2.25	3	0.75	3	2.48	120.97	3
BP106 RMT	Remedial Mathematics	0	0	0	0	0	0	0	0
BP107 P	Human Anatomy and Physiology	3	2.25	3	0.75	3	2.48	120.97	3
BP108 P	Pharmaceutica l Analysis—I	3	2.25	3	0.75	3	2.20	136.36	3
BP109 P	Pharmaceutics -I	3	2.25	3	0.75	3	2.25	133.33	3
BP110 P	Pharmaceutica l Inorganic Chemistry	3	2.25	3	0.75	3	2.52	119.05	3
BP111 P	Communicatio n Skills	3	2.25	3	0.75	3	1.25	240	3
BP112 RBP	Rem Bio	3	2.25	3	0.75	3	2.61	114.94	3
BP201 T	Human Anatomy and Physiology-II	3	2.25	3	0.75	3	2.09	143.54	3
BP202 T	Pharmaceutica l Organic Chemistry—I	3	2.25	3	0.75	3	2.02	148.51	3
BP203 T	Biochemistry	3	2.25	3	0.75	3	2.75	109.09	3
BP204 T	Pathophysiology	3	2.25	3	0.75	3	2.41	124.48	3
BP205 T	Computer Application	3	2.25	3	0.75	3	1.40	214.29	3
BP206 T	Environmental Science	3	2.25	3	0.75	3	1.48	202	3
BP207 P	Human Anatomy and Physiology-II	3	2.25	3	0.75	3	2.36	127.12	3
BP208 P	Pharmaceutica l Organic Chemistry--I	3	2.25	3	0.75	3	1.77	169.49	3

BP209 P	Biochemistry	3	2.25	3	0.75	3	2.66	112.78	3
BP210 P	Computer Applications in Pharmacy	3	2.25	3	0.75	3	1.34	223	3
SY BPharm (2018 pattern)									
BP301 T	Pharmaceutica l Organic Chemistry—II	0	0	0	0	0	2.11	0	0
BP302 T	Physical Pharmacy-I	0	0	2	0.5	0.5	2.27	22.03	0
BP303 T	Pharmaceutica l Microbiology	0	0	3	0.75	0.75	2.25	33.33	0
BP304 T	Pharmaceutica l Egeeneering	2	1.5	3	0.75	2.25	2.11	106.64	3
BP305 P	Pharmaceutica l Organic Chemistry—II	3	2.25	3	0.75	3	2.36	127.12	3
BP306 P	Physical Pharmacy-I	2	1.5	3	0.75	2.25	2.61	86.21	3
BP307 P	Pharmaceutica l Microbiology	3	2.25	3	0.75	3	2.15	139.53	3
BP308 P	Pharmaceutica l Egeeneering	3	2.25	3	0.75	3	2.11	142.18	3
BP401 T	Pharmaceutica l Organic Chemistry-III	3	2.25	3	0.75	3	1.70	176.47	3
BP402 T	Medicinal Chemistry-I	3	2.25	3	0.75	3	2.75	109.09	3
BP403 T	Physical Pharmacy-II	3	2.25	3	0.75	3	2.22	135.14	3
BP404 T	Pharmacology -I	3	2.25	3	0.75	3	2.59	115.83	3
BP405 T	Pharmacognos y and Phytohemistry -I	3	2.25	3	0.75	3	2.20	136.36	3
BP406 P	Medicinal Chemistry-I	3	2.25	3	0.75	3	1.86	161.29	3
BP407 P	Physical Pharmaceutics -II	3	2.25	3	0.75	3	2.36	127.12	3
BP408 P	Pharmacology -I	3	2.25	3	0.75	3	2.39	125.52	3
BP409 P	Pharmacognos y and	3	2.25	3	0.75	3	1.70	176.47	3

	Phytochemistry –I								
T.Y.B. Pharm (2015 Pattern)									
Course code	Course Name	University Attainment		Sessional Attainment		Attainment level		% Attainment achieved	Attainment in scale of 3
		100%	60%	100%	40%	Achieved	Required		
351	Industrial Pharmacy-I	0	0	3	1.2	1.2	2	60	1
351P	Industrial Pharmacy-I	3	1.8	3	1.2	3	2.09	143.54	3
352	Pharmaceutical Analysis--III	0	0	2	0.8	0.8	1.86	43.01	0
352P	Pharmaceutical Analysis--III	1	0.6	3	1.2	1.8	1.70	105.88	3
353	Medicinal Chemistry-I	0	0	3	1.2	1.2	1.27	94.48	3
353P	Medicinal Chemistry-I	3	1.8	3	1.2	3	1.54	194.81	3
354	Pharmacology -II	0	0	2	0.8	0.8	1.90	42.10	0
354P	Pharmacology -II	3	1.8	3	1.2	3	2.02	148.51	3
355	Analytical Pharmacognosy and Extraction Technology	0	0	1	0.4	0.4	2.34	17.09	0
355P	Analytical Pharmacognosy and Extraction Technology	3	1.8	3	1.2	3	1.93	155.44	3
356	Pharmaceutical Business Management and Disaster Management	0	0	3	1.2	1.2	1.86	64.51	1
357	Active Pharmaceutical Ingredient	0	0	3	1.2	1.2	1.2	100	3
361	Industrial Pharmacy-II	3	1.8	3	1.2	3	2.22	135.14	3
361P	Industrial Pharmacy-II	3	1.8	3	1.2	3	2.31	129.87	3
362	Pharmaceutical	3	1.8	3	1.2	3	1.95	153.85	3

	1 Analysis—IV								
362P	Pharmaceutica 1 Analysis—IV	3	1.8	3	1.2	3	2.34	128.21	3
363	Medicinal Chemistry-II	3	1.8	3	1.2	3	1.5	200	3
363P	Medicinal Chemistry-II	3	1.8	3	1.2	3	1.64	182.92	3
364	Pharmacology -III	3	1.8	3	1.2	3	1.52	197.37	3
364P	Pharmacology -III	3	1.8	3	1.2	3	1.47	204.08	3
365	Natural Product Chemistry	3	1.8	3	1.2	3	2	150	3
365P	Natural Product Chemistry	3	1.8	3	1.2	3	2.18	137.61	3
366	Bioorganic Chemistry and Drug Design	3	1.8	3	1.2	3	1.80	166.67	3
367	Biotechnology	3	1.8	3	1.2	3	2.52	119.04	3
Final Year B.Pharm (2015Pattern)									
471	Sterile Product	1	0.6	3	1.2	1.8	2.09	86.12	3
471P	Sterile Product	3	1.8	3	1.2	3	2.09	143.54	3
472	Pharmaceutica 1 Analysis—V	0	0	3	1.2	1.2	2.68	44.78	0
472P	Pharmaceutica 1 Analysis-V	3	1.8	3	1.2	3	2.84	105.63	3
473	Medicinal Chemistry-III	0	0	3	1.2	1.2	2.22	54.05	0
473P	Medicinal Chemistry-III	3	1.8	3	1.2	3	2.25	133.33	3
474	Pharmacology -IV	0	0	3	1.2	1.2	2.36	50.85	0
474P	Pharmacology -IV	3	1.8	3	1.2	3	2.39	125.52	3
475	Natural Drug Technology	0	0	3	1.2	1.2	2.45	48.98	0
475P	Natural Drug Technology	3	1.8	3	1.2	3	2.14	140.19	3
476	Biopharmaceu tics and Pharmacokinet ics		0		0	1.2	2.72	44.12	0
477	Pharmaceutica 1 Jurisprudence	0	0	3	1.2	1.2	2.70	44.44	0

481	Advance Drug Delivery System	3	1.8	3	1.2	3	1.77	169.49	3
481P	Advance Drug Delivery System	3	1.8	3	1.2	3	1.88	159.57	3
482	Cosmetic science	3	1.8	3	1.2	3	2.07	144.93	3
482P	Cosmetic science	3	1.8	3	1.2	3	2.01	149.25	3
483	Pharmaceutical Analysis-VII	3	1.8	3	1.2	3	2.61	114.94	3
483P	Pharmaceutical Analysis-VII	3	1.8	3	1.2	3	2.52	119.04	3
484	Medicinal Chemistry-VI	3	1.8	3	1.2	3	1.97	152.28	3
484P	Medicinal Chemistry-VI	3	1.8	3	1.2	3	2.02	148.51	3
485	Pharmacology -V (Including Biostatics)	3	1.8	3	1.2	3	2.72	110.29	3
485P	Pharmacology -V (Including Biostatics)	3	1.8	3	1.2	3	2.57	116.73	3
486	Natural Products Commerce, Industry and Regulation	3	1.8	3	1.2	3	2.38	126.05	3
487	Quality Assurance Technique	3	1.8	3	1.2	3	2.54	118.11	3

Following are the conclusions drawn from analysis of results both internal and university examination 2019-20

- Practicals: All courses (38) have attained 100% of aggregate of course outcomes.
- Theory : 31 courses (out of 50) have attained 100% of aggregate of course outcomes.

3.3 Attainment of Program Outcomes (40)

3.3.1 Describe assessment tools and processes used for assessing the attainment of each PO(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 are mentioned in 3.2.1.

The course outcomes are mapped for each program outcomes. Several tools are used to assess course outcomes and program outcomes are based on course outcomes and same tools are used to assess program outcomes in addition indirect tools like surveys are also used.

Direct Attainment Tools

The various direct assessment tools for assessing the student data and the PO attained are as follows:

Assessing Tool	Frequency	Program outcome
Internal examination Theory Paper	Twice per semester	PO1-PO4, PO6, PO7, PO9, PO 11
Internal Assignment Examination	Once per semester	PO1-PO4, PO6, PO7, PO9, PO 11
Internal Practical Examination	Twice per semester	All POs
Internal Practical Continuous evaluation	Every practical	All POs
Internal Practical Assignment	Once per semester	PO1-PO4, PO6, PO7, PO9, PO 11
University Theory Examination	Once per semester	PO1-PO4, PO6, PO7, PO9, PO 11
University Practical Examination	Once per semester	All Pos

Indirect Attainment Tools

The various indirect assessment tools for assessing the students and the PO attained are as follows:

Assessing Tool	Frequency	Program outcome
Student Exit Survey	Once per year	All Pos

Alumni Survey	Once per year	All Pos
Parents Survey	Once per year	All Pos

Assessment process:

The assessment processes include direct and indirect methods for evaluation of PO attainment.

Direct methods:

Direct method comprises of University End term Theory and Practical Examination and internal Theory and Practical Examination. Internal theory papers include short as well as long answer type questions and these papers are framed by individual subject teacher with focus on POs.

MCQ examination and theory assignments are carried out per semester. Assignments include long answer type questions. In case of internal practical examination, synopsis, major experiment, minor experiment, viva voce etc., are the components. During viva- voce students are evaluated based on rubrics system. Practical question paper is also framed by individual subject teacher covering maximum POs. Continuous evaluation pattern is also implemented during each practical where affective domain, cognitive skills and psychomotor skills are evaluated. Practical assignment is also carried out with focus on covering maximum POs.

Indirect methods: Surveys are conducted at different levels: alumni survey, exit survey and parent survey.

PO evaluation: Frequency of carrying out the process: once in year

3.3.2 Provide results of evaluation of each PO (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 were performed at two levels

i) Student performance (Direct)-80%

Valueii) Surveys (Indirect)-20% value.

Table 3.3.2: Attainment of Program Outcomes: 2019-20

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP101T	3	1	2.5	2.25	1.5	2.75	2.25	3	3	1.5	3
BP102T	2.5	3	3	3	2.75	2	2.5	3	2	2	3
BP 103T	2	2	2.5	3	1	2	2	3	3	2	3
BP 104T	2.25	2	3	1.5	1	1.75	1	3	2	3	3
BP 105T	1	1.5	2.5	0.25	1	1.50	0.25	3	0.25	0.5	2
BP 106RBT	3	2	2.75	2	2	2.5	2.75	2.75	2.5	2	3
BP106R MT	3	2	2.5	2.5	3	2.5	2	3	2	1	2.25
BP 107P	2.75	2.25	2.75	2	2	2.5	2.5	3	3	1.5	3
BP 108P	2	2.5	2.5	2.75	2.75	2	1.75	3	1	1	3
BP 109P	2.5	2.25	3	2.75	1.5	2.25	2	3	2	0.75	2.75
BP 110P	2	2	3	2.5	2	2.25	2.5	3	2.75	3	2.75
BP 111P	1	1.5	2.5	0.25	1	1.50	0.25	3	0.25	0.5	2
BP112RBP	3	2.5	3	2.25	2.25	2.75	3	3	2.5	1.5	3
BP201T	3	1.75	2.75	1.75	1.75	2	1.75	2.25	2	1	3
BP202T	1.75	1.25	2.5	2.5	1.5	1.75	1.5	2.75	2	2.5	2.25
BP203T	3	1.75	3	3	2.75	2.75	2.25	3	3	2.75	3
BP204T	1	1.5	2.5	0.25	1	1.50	0.25	3	0.25	3	2
BP205T	1	1.25	2	3	1	1	0.5	1	2	0.25	2.5
BP206T	1	1.5	2.5	0.25	1	1.50	0.25	3	0.25	3	2
BP207P	3	2	2.5	2	2	2	2	3	3	1.5	3
BP208P	1.5	1.75	2.25	2	1.5	1.75	1	2.25	1.5	2.25	1.75
BP209P	2.75	3	3	2.75	2.25	3	2	3	2.5	2	3
BP210P	1	1.25	2	3	0.25	1	0.5	1	2	0.25	2.5
BP301T	2.75	1.5	3	1.5	2.25	2.5	1	2.5	2	1.25	3
BP302T	2	2	3	3	2	1	1	3	2.5	2.5	3
BP303T	3	1.75	2.75	2.25	2	2	2.5	2	2	2	2.5
BP304T	3	1.75	2.75	2.25	1.5	1.5	2.5	2	2	2	2.5
BP305P	3	2.75	2.75	1.25	2.25	2.5	2	3	2	1.5	3
BP306P	2	2	3	3	2	3	2	3	3	2.75	3
BP307P	3	1.75	2.75	2.25	1.5	1.5	2.5	2	2	2	2.5

BP308P	3	1.75	2.75	2.25	1.5	1.5	2.5	2	2	1.5	2.5
BP401T	2.75	1	2.75	1.25	1.25	2.50	1.0	1.0	1.25	1.0	3
BP 402T	3	2.5	3	2.75	2	3	2	3	3	3	3
BP 403T	2	2	3	2.75	1	1	1	3	2.75	3	3
BP 404T	3	3	3	1.5	2	3	3	3	3	1	3
BP 405T	1.75	2.25	3	1.75	1	3	2.25	3	2.5	1.75	2
BP 406P	3	2	3	2.25	1.25	1	1.75	1.75	1	-	3
BP 407P	2	2	3	3	2	1	1	3	3	3	3
BP 408P	3	2.5	3	2.25	2	3	2.25	3	2	1.5	1.75
BP 409P	1	2	3	2.5	1	2.5	1	3	1	-	1.75
351T	3	2.25	2	1.75	2	2	1.75	2	2	1	2.25
351P	3	3	2	2	2	2	2	2	1.75	1	2.25
352T	3	2	2	1.75	1	2	1	2	1.25	1.5	3
352P	3	3	3	3	2	2	1.75	2	1	1	3
353T	3	2	1	1	-	1	1	1	1	-	3
353P	3	2	2	1	-	1	1	1	1	1	3
354T	3	2	1	0.5	1.75	1.75	2	2	2.25	1.75	3
354P	3	1.75	2	2.75	1.5	1.75	2.25	1.5	1.25	1.5	3
355T	1.5	2.75	3	2.5	1	3	2	3	2.25	2.5	2.25
355P	1.25	2.25	2.5	2.25	1	2.75	1.5	3	1.25	1	2.5
356T	1.75	2.5	0.75	2	2	1.8	2.25	2.5	1.25	1.25	2.5
357T	3	2	1	1	-	1	1	1	1	-	3
361T	3	2.5	2.75	2.25	1.5	1.5	2.5	2	2	2.0	2.5
361P	3	2.5	2.75	2.25	2	1.5	2.5	2	2.5	2.0	2.5
362T	3	2	2	2	2	2	1	2	1	1.5	3
362P	3	3	2.75	3	2	2	2	2	1.5	1.5	3
363T	3	2	1	1	1	1	1	2	1.5	-	3
363P	3	2	2	1	1	1	2	1	1	1	3
364T	3	2	1.25	1.5	0.25	1.5	1.5	1	1.25	0.5	3
364P	3	0.75	0.75	2.75	0.5	1.5	1.75	0.75	0.75	0.75	3
365T	1.5	2.5	2.75	1.5	1	2.5	1.75	2.75	2.5	1.25	2
365P	1.25	3	3	2	1	2.5	1.5	3	2.5	1.75	2.5
366T	3	1.25	2.25	2.50	1.00	2.25	1	2	2.25	0.25	2
367T	3	2	2.5	2.75	2	2.5	3	2	3	2.25	2.75
471T	2.6	1.8	2.2	2.2	1.6	2.6	1.8	2	2.6	1.2	2.4

471P	2.75	2.5	2.25	2.25	1.5	2.25	2	2	2.25	1	2.25
472T	3	3	3	3	3	3	2	3	2.5	2	2
472P	2.75	2.5	3	2.75	2.5	2.75	2	3	2	2	3
473T	3	1.25	2.75	1.0	1.75	2.5	1.5	3	3	1.75	3
473P	3	3	3	2.50	1	2.75	2	2.50	1.5	1.5	3
474T	3	1	3	2.25	2	2.25	2.5	3	2.5	1.5	3
474P	3	2.33	3	1.33	2	2.67	2	3	2.67	1.33	3
475T	2	2.5	3	2	1.5	3	2.75	3	3	1.5	2.75
475P	1.5	2.25	3	1.75	1	2.75	1.75	3	3	1.5	2
476T	1.5	2.25	3	1.75	1	2.75	1.75	3	3	1.5	2
477T	2.75	3	3	1	3	3	3	3	3	2	3
481T	2.5	2	2.25	2	1.5	1.75	1.5	1	1.5	1.25	2.25
481P	2.75	2.25	2.25	2	1.5	2.25	1.75	1.5	1.25	1	2.25
482T	3	2.6	2	1	2	2	2	2	2	2	2.2
482P	3	2.8	2	2	2	2	2	2	2	1	2.4
483T	3	3	3	3	2.75	3	2	3	2	2	2
483P	2.75	2	3	2.75	2.5	2.75	2	3	2	2	3
484T	2.75	1.0	2.75	1.25	1.75	2.75	1.25	2.5	2.5	0.25	3
484P	3	2	3	2.5	1.25	2.0	1.0	2.0	1.25	1.25	3
485T	3	3	3	2.75	2.5	2.75	2.75	2.75	2.75	1.75	3
485P	3	3	2.75	2.5	2	2.5	2	3	2.5	2	3
486T	2.5	2	3	2	1.25	2.75	2.75	3	2.75	1.25	3
487T	2.6	2.8	2	2.4	2.4	2.8	2.2	3	3	2.8	2
Direct attainment	2.51	2.12	2.54	2.06	1.67	2.13	1.79	2.43	2.01	1.62	2.66
80% of direct	2.01	1.70	2.03	1.65	1.34	1.70	1.43	1.95	1.61	1.29	2.13
Indirect attainment	3	3	3	3	3	3	3	3	3	3	3
20% of indirect	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Total Direct + Indirect	2.61	2.30	2.63	2.25	1.94	2.30	2.03	2.55	2.21	1.89	2.73

The following are the observations made:

From the calculations the results are tabulated as follows for the academic year 2019-20.

PO1, PO 3, PO 8 and PO 11 is attained more than 80%,

PO2, PO4, PO 5, PO6, PO 7, PO9 and PO 10 have attained

between 63-77%

As compared to previous cycle evaluation, all POs have been attained satisfactorily (more than 63%) .

3. Course Outcomes (COs) and Program Outcomes (POs) (100)**3.1 Establish the correlation between the courses and the Program Outcomes (20)**

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

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

Course Name: Ciii Year of Study: YYYY – YY; For ex. C202 Year of

Study: CAY m1 (2020-21)

Table- 3.1.1: Course Outcomes

F. Y. B. Pharm.

Course: Human Anatomy and Physiology (BP101T)

Study year: 2020-21

CO	Students will be able to
CO101T. 1	Understand basic life processes, various homeostatic mechanisms and their imbalances.
CO101T. 2	Explain anatomy and physiology of various body systems and understand their coordinated working.
CO101T. 3	Understand composition and functions of body fluid and blood
CO101T. 4	Explain various axial, appendicular bones of body and joints they formed.

Course: Human Anatomy and Physiology – Practical (BP107P)

Study year: 2020-21

CO	Students will be able to
C107P.1	Identify bones of axial and appendicular skeleton
C107P.2	Clarify process, mechanisms and significance of various haematological parameters
C107P.3	Study of permanent histological slides of various tissue
C107P.4	Determine blood pressure and understand its significance

Course: Biochemistry (BP203T)

Study year: 2020-21

CO	Students will be able to
C203T.1	Understand classification, metabolism, diseases related to metabolism of different biomolecules like carbohydrates, proteins, fats.
C203T.2	Remember the genetic organization of mammalian genome and functions of DNA in the synthesis of RNAs and proteins.
C203T.3	Understand the catalytic role of enzymes and importance of enzyme in biochemical process.
C203T.4	Summarize the biological oxidation and bioenergetics

Course: Biochemistry- Practical (BP209P)

Study year: 2020-21

CO	Students will be able to
C209P.1	Identify Carbohydrates, proteins and amino acids in given sample and abnormal constituents in urine sample
C209P.2	Estimate blood creatinine, blood sugar, total cholesterol in serum, proteins and reducing sugar.
C209P.3	Understand the effect temperature and substrate concentration on salivary amylase activity.
C209P.4	Prepare buffer solution and measure the PH of it.

S. Y. B. Pharm.**Course:** Physical Pharmaceutics- I (BP302T)

Study year: 2020-21

CO	Students will be able to
C302T. 1	Understand the various physicochemical properties of drug molecules and their applications in designing the dosage form.
C302T. 2	Summarize the principles of physical properties such as solubility, partition coefficient, surface tension, complexation, pH and buffer in pharmaceutical practices.
C302T. 3	Explain the principles of states of matter like latent heat, vapour pressure, liquid complexes, amorphous, polymorphism, adsorption, protein binding and isotonic solutions.
C302T. 4	Relate the principles of protein binding , complexation and isotonicity in drug action.

Course: Physical Pharmaceutics- I Practical (BP306P)

Study year: 2020-21

CO	Students will be able to
C306P. 1	Demonstrate different laboratory apparatus and instruments required to determine various physical properties such as solubility, partition coefficient, surface tension and adsorption.
C306P. 1	Apply the principles of physical properties such as solubility, partition coefficient, surface tension, complexation, pH, buffer and factors affecting it in designing dosage form.
C306P. 1	Determine the solubility, partition coefficient, pKa, surface tension, HLB, CMC and stability constants of the complexes.
C306P. 1	Interpret the principles of pH, pKa, protein binding, complexation, buffer capacity and isotonicity in drug action.

Course: Physical Pharmaceutics- II (BP403T)

Study year: 2020-21

CO	Students will be able to
C403T. 1	Describe colloids, classification, properties, method of preparation and stability of colloidal formulations.
C403T. 2	Elaborate the concept of rheology, types of flow, viscoelasticity, thixotropy and its measurement in formulations.
C403T. 3	Illustrate the principles of micromeritics, properties of powders, determination of methods and importance of flow properties in pharmacy.
C403T. 4	Illustrate the principles of chemical kinetics in stability and prediction of shelf life of pharmaceutical products.

Course: Physical Pharmaceutics- II Practical (BP407P)

Study year: 2020-21

CO	Students will be able to
C407P.1	Determine various physical properties such as viscosity, flow properties and reaction rate constants of formulation.
C407P.2	Calculate the particle size distribution by sieving, microscopy method and flow properties of pharmaceutical products.
C407P.3	Determine the viscosity, effects of suspending agent and conc. of suspending agents on sedimentation volume.
C407P.4	Interpret the principles of chemical kinetics and accelerated stability study in determination of shelf-life of pharmaceuticals.

T. Y. B. Pharm.**Course:** Pharmacognosy & Phytochemistry-II (BP504T)

Study year: 2020-21

CO	Students will be able to
C504T.1	Understand & comprehend the basic metabolic pathways in formation of secondary metabolites and utilization of tools & techniques for investigation of biogenetic pathways in plants.
C504T.2	Explain different secondary metabolites composition, chemistry & chemical classes with commercial applications and pharmacognosy of related crude drugs.
C504T.3	Describe isolation, identification, analysis, industrial production, estimation and utilization of Phytoconstituents specified.
C504T.4	Outline conventional and modern extraction techniques and application of latest techniques like Spectroscopy, chromatography, non-chromatographic and electrophoresis in isolation, Purification and identification of crude drugs.

Course: Pharmacognosy & Phytochemistry-II Practical (BP508P)

Study year: 2020-21

CO	Students will be able to
C508P.1	Illustrate morphological, microscopical parameter & skilled for sectioning, microchemical staining, extraction & chemical test of the crude drug as evaluation parameter.
C508P.2	Practice isolation & detection techniques of specified active phytoconstituents from crude drugs.
C508P.3	Exercise paper & thin layer chromatographic techniques for extracts & phytoconstituents.
C508P.4	Analyse unorganized powder crude drugs using chemical tests

Course: Pharmacology-III (BP602T)

Study year: 2020-21

CO	Students will be able to
C602T.1	To study the pharmacology of drugs and outline their role in the management of GI tract and respiratory disorders
C602T.2	To categorize drugs and justify the role in the treatment of various infectious diseases
C602T.3	To explain the principles of toxicology and apply knowledge of poisoning in the health and safety management
C602T.4	To categorize drugs and justify the role in the treatment of various infectious diseases

Course: Pharmacology-III- Practical (BP608P)**Study year:** 2020-21

CO	Students will be able to
C608P.1	To study OECD guidelines and apply its ethical principles in the determination of toxicity of test substances
C608P.2	To compare and calculate the effect of agonist and antagonist in different bioassay methods using softwares and videos
C608P.3	To interpret the serum biochemical parameters and summarize the effect of drugs in various pre-clinical evaluation methods using softwares and videos
C608P.4	To practice biostatistical methods and choose appropriate method for biostatistical analysis

Final Year B. Pharm.**Course:** Medicinal Chemistry III (473T)**Study year:** 2020-21

CO	Students will be able to
C473T.1	Illustrate general aspects of the design & development of antibiotics, antineoplastic agents, anti-infective agents.
C473T.2	Classify antibiotics, antineoplastic agents, anti-infective agents with examples.
C473T.3	Explain SAR, MOA therapeutic uses, adverse effects of antibiotics, antineoplastic agents, anti-infective agents
C473T.4	Design scheme for synthesis of medicinally useful drugs.

Course: Medicinal Chemistry III Practical (473P)**Study year:** 2020-21

CO	Students will be able to
C473P.1	Plan, synthesise and monitor reactions over TLC of medicinally important drugs/drug intermediates.
C473P.2	Interpret synthesised compounds by spectral characterizations.
C473P.3	Develop skills involved in purification of synthesised compounds by chromatography techniques.
C473P.4	Explain techniques like Gas chromatography, Atomic absorption

Course: Natural Products: Commerce, Industry & Regulations (486T)

Study year: 2020-21

CO	Students will be able to
C486T.1	Classify and explain different segments in market, demand and supply position, export-import potential of Indian herbal drugs, government organizations, regulation and patenting in herbal drug industry.
C486T.2	Understand and explain safe use of herbal drugs and their toxicities, herbal - drug/ herbal-food interactions.
C486T.3	Describe need and significance of pharmacovigilance of herbal medicine with WHO guidelines on safety monitoring of herbals.
C486T.4	Understand and classify plant allergens and their symptoms, diagnosis and treatment with method of preparation of allergenic extracts.

C101T is theory course of first year B.Pharm, first semester and 1 to 4 are the course outcomes of this course.

Observations:

1. Course outcomes are minimum four in numbers for theory as well as practicals.
2. Course outcomes are drafted covering syllabus of respective courses based on skills and knowledge gained by students.
3. Course outcomes are drafted with respect to Bloom's revised taxonomy.

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)

The POs are assigned to each course outcomes, for each course (subject) in each year.

The mapping of each PO with the course outcomes are done by the individual subject teacher after complete study of the program outcomes. Key phrases were identified from each PO after discussion in staff meeting and mapping done with respect to matching key phrases and which is further critically reviewed in departmental meetings with HODs.

Each PO was assessed as high (3), moderate (2) and low (1) attainment levels and (-) indicates no mapping with respective PO. The average of each PO was made and further averaged for each course outcomes as given in Table 3.1.2.

Table 3.1.2

Course code/ Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
BP101T Human Anatomy and Physiology-I	Student will be able to C101T. 1. Understand basic life processes, various homeostatic mechanisms and their imbalances.	3	1	3	2	1	3	2	3	3	1	3
	C101T. 2. Explain anatomy and physiology of various body systems and understand their coordinated working.	3	1	2	2	2	3	3	3	3	1	3
	C101T. 3. Understand composition and functions of body fluid and blood	3	1	2	2	1	2	2	3	3	3	3
	C101T. 4. Explain various axial, appendicular bones of body and joints they formed.	3	1	3	3	2	3	2	3	3	1	3
	Average = 2.34	3	1	2.5	2.25	1.5	2.75	2.25	3	3	1.5	3

Course code/ Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
BP107P Human Anatomy and Physiology-I	Student will be able to CO107P.1 Identify bones of axial and appendicular skeleton	3	2	3	3	2	3	3	3	3	1	3
	C 107P.2 Clarify process, mechanisms and significance of various haematological parameters	3	3	3	1	2	3	2	3	3	3	3
	C107P.3 Study of permanent histological slides of various tissue	2	2	2	2	1	2	2	3	3	1	3
	C107P.4 Determine blood pressure and understand its significance	3	2	3	2	3	2	3	3	3	1	3
	Average = 2.48	2.75	2.25	2.75	2	2	2.5	2.5	3	3	1.5	3

Course code/ Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
B.P.203T Biochemistry	Students will able to CO203T.1 Understand classification, metabolism, diseases related to metabolism of different biomolecules like carbohydrates, proteins, fats.	3	1	3	3	3	3	2	3	3	2	3
	CO203T .2 Remember the genetic organization of mammalian genome and functions of DNA in the synthesis of RNAs and proteins.	3	1	3	3	2	3	3	3	3	3	3
	CO203T.3 Understand the catalytic role of enzymes and importance of enzyme in biochemical process.	3	2	3	3	3	2	2	3	3	3	3
	CO203T.4 Summarize the biological oxidation and bioenergetics	3	3	3	3	3	3	2	3	3	3	3
	Average = 2.75	3	1.75	3	3	2.75	2.75	2.25	3	3	2.75	3

Course code/ Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
3B.P.209P Biochemistry	Students will able to CO209 P.1 Identify Carbohydrates, proteins and amino acids in given sample and abnormal constituents in urine sample	3	3	3	3	2	3	2	3	2	2	3
	CO209 P.2 Estimate blood creatinine, blood sugar, total cholesterol in serum, proteins and reducing sugar.	3	3	3	3	3	3	2	3	3	2	3

	CO209 P.3 Understand the effect temperature and substrate concentration on salivary amylase activity.	3	3	3	2	2	3	2	3	3	1	3
	CO209 P.4 Prepare buffer solution and measure the PH of it.	2	3	3	3	2	3	2	3	2	3	3
	Average = 2.66	2.75	3	3	2.75	2.25	3	2	3	2.5	2	3

Course code/ Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
BP302T Physical Pharmaceutics- I	Students will be able to CO302T. 1. Understand the various physicochemical properties of drug molecules and their applications in designing the dosage form.	2	2	3	3	2	1	1	3	3	3	3
	CO302T. 2. Summarize the principles of physical properties such as solubility, partition coefficient, surface tension, complexation, pH and buffer in pharmaceutical practices.	2	2	3	3	2	1	1	3	3	3	3
	CO302T. 3. Explain the principles of states of matter like latent heat, vapour pressure, liquid complexes, amorphous, polymorphism, adsorption, protein binding and isotonic solutions.	2	2	3	3	2	1	1	3	1	2	3
	CO302T. 4. Relate the principles of protein binding, complexation and isotonicity in drug action.	2	2	3	3	2	1	1	3	3	2	3
	Average = 2.27	2	2	3	3	2	1	1	3	2.5	2.5	3

Course code/ Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
BP302T Physical Pharmaceutics- I	Students will be able to CO302T. 1. Understand the various physicochemical properties of drug molecules and their applications in designing the dosage form.	2	2	3	3	2	1	1	3	3	3	3
	CO302T. 2. Summarize the principles of physical properties such as solubility, partition coefficient, surface tension, complexation, pH and buffer in pharmaceutical practices.	2	2	3	3	2	1	1	3	3	3	3
	CO302T. 3. Explain the principles of states of matter like latent heat, vapour pressure, liquid complexes, amorphous, polymorphism, adsorption, protein binding and isotonic solutions.	2	2	3	3	2	1	1	3	1	2	3
	CO302T. 4. Relate the principles of protein binding, complexation and isotonicity in drug action.	2	2	3	3	2	1	1	3	3	2	3
	Average = 2.27	2	2	3	3	2	1	1	3	2.5	2.5	3

Course code/ Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
BP306P Physical Pharmaceutics- I	Student will be able to CO306P. 1. Demonstrate different laboratory apparatus and instruments required to determine physical properties.	2	2	3	3	2	3	2	3	3	3	3
	CO306P. 2. Apply the principles and factors affecting physical properties in designing of dosage form.	2	2	3	3	2	3	2	3	3	3	3
	CO306P. 3. Determine the solubility, partition	2	2	3	3	2	3	2	3	3	3	3

	coefficient, pKa, surface tension, HLB, CMC and stability constants of the complexes.											
	CO306P. 4. Interpret the principles of physical properties in drug action.	2	2	3	3	2	3	2	3	3	2	3
	Average =2.61	2	2	3	3	2	3	2	3	3	2.75	3

Course code/ Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
Physical Pharmaceutics- II BP403T	Students will be able to CO403T.1. Describe colloids, classification, properties, method of preparation and stability of colloidal formulations.	2	2	3	3	1	1	1	3	2	3	3
	CO403T.2. Elaborate the concept of rheology, types of flow, viscoelasticity, thixotropy and its measurement in formulations.	2	2	3	3	1	1	1	3	2	3	3
	CO403T.3. Illustrate the principles of micromeritics, properties of powders, determination of methods and importance of flow properties in pharmacy.	2	2	3	3	1	1	1	3	3	3	3
	CO403T.4. Illustrate the principles of chemical kinetics in stability and prediction of shelf life of pharmaceutical products.	2	2	3	2	1	1	1	3	3	3	3
	Average =2.22	2	2	3	2.75	1	1	1	3	2.75	3	3

Course code/ Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
Physical Pharmaceutics II BP407P	Students will be able to CO407P.1. Determine various physical properties such as viscosity, flow properties and reaction rate constants of formulation.	2	2	3	3	2	1	1	3	3	3	3
	CO407P. 2. Calculate the particle size distribution by sieving, microscopy method and flow properties of pharmaceutical products.	2	2	3	3	2	1	1	3	3	3	3
	CO407P. 3. Determine the effect of suspending agent and conc.of suspending agents on sedimentation volume.	2	2	3	3	2	1	1	3	3	3	3
	CO407P. 4. Understand the principles of chemical kinetics and its application in accelerated stability study of pharmaceuticals.	2	2	3	3	2	1	1	3	3	3	3
	Average =2.36	2	2	3	3	2	1	1	3	3	3	3

Course code/ Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
BP504T Pharmacognosy & Phytochemistry-II	Students will be able to CO504T.1 Understand & comprehend the basic metabolic pathways in formation of secondary metabolites and utilization of tools & techniques for investigation of biogenetic pathways in plants.	2	2	3	3	1	1	2	3	1	1	2
	CO504T.2 Explain different secondary metabolites composition, chemistry & chemical classes with commercial applications and pharmacognosy of related crude drugs.	1	1	3	3	1	1	2	3	2	3	2
	CO504T.3 Describe	3	3	3	3	1	3	2	3	2	3	3

	isolation, identification, analysis, industrial production, estimation and utilization of Phytoconstituents specified.											
	CO4.504T.4 Outline conventional and modern extraction techniques and application of latest techniques like Spectroscopy, chromatography, non-chromatographic and electrophoresis in isolation, Purification and identification of crude drugs.	2	3	3	3	1	3	2	3	2	3	2
	Average = 2.29	2	2.2 5	3	3	1	2	2	3	2.2 5	2.5	2.2 5

Course code/ Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
Pharmacognosy & Phytochemistry-II BP508P	Students will be able to C508P.1 Illustrate morphological, microscopical parameter & skilled for sectioning, microchemical staining, extraction & chemical test of the crude drug as evaluation parameter.	2	3	3	2	1	1	2	3	2	3	3
	C508P.2 Practice isolation & detection techniques of specified active phytoconstituents from crude drugs.	2	3	3	2	1	3	2	3	2	3	3
	C508P.3 Exercise paper & thin layer chromatographic techniques for extracts & phytoconstituents.	1	2	3	2	1	3	2	3	2	2	3

	C504T.4 Analyse unorganized powder crude drugs using chemical tests	1	2	3	1	1	3	2	3	2	3	3
	Average = 2.27	1.5	2.5	3	1.75	1	2.5	2	3	2	2.75	3

Course code/ Course title	Course Outcomes	1	2	3	4	5	6	7	8	9	10	11
BP 6.0.2T Pharmacology III	Students will be able to CO602T.1 To study the pharmacology of drugs and outline their role in the management of GI tract and respiratory disorders	3	2	3	2	3	2	3	3	2	1	3
	CO602T.2 To categorize drugs and justify the role in the treatment of various infectious diseases	3	2	3	2	3	2	3	3	2	1	3
	CO602T.3 To explain the principles of toxicology and apply knowledge of poisoning in the health and safety management	3	3	3	2	3	3	3	3	3	3	3
	CO602T.4 To explain the advantages and recent trends in the target specific drug treatment and impart the basic knowledge of chronopharmacology	3	2	3	2	3	2	3	3	3	1	3
	Average = 2.59	3	2.25	3	2	3	2.25	3	3	2.5	1.5	3

Course code/ Course title	Course Outcomes	1	2	3	4	5	6	7	8	9	10	11
BP 6.0.8 P Pharmacology III	Students will be able to CO608P.1 To study OECD guidelines and apply its ethical principles in the determination of toxicity of test substances	3	3	3	2	2	3	2	3	3	2	3
	CO608P.2 To compare and calculate the effect of agonist and antagonist in different bioassay methods	3	3	3	3	2	2	2	3	1	2	3

	using softwares and videos											
	CO608P.3 To interpret the serum biochemical parameters and summarize the effect of drugs in various pre-clinical evaluation methods using softwares and videos	3	3	3	3	2	2	2	3	2	2	3
	CO608P.4 To practice biostatistical methods and choose appropriate method for biostatistical analysis	3	3	3	3	1	1	2	3	2	1	3
	Average = 2.47	3	3	3	2.75	1.75	2	2	3	2	1.75	3

Course code/Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
Medicinal Chemistry III 4.7.3T	Student will be able to CO473T.1 Illustrate general aspects of the design & development of antibiotics, antineoplastic agents, anti-infective agents.	3	-	2	-	1	3	2	3	3	2	3
	CO473T.2 Classify antibiotics, antineoplastic agents, anti-infective agents with examples.	3	1	3	-	1	2	1	3	3	2	3
	CO473T.3 Explain SAR, MOA therapeutic uses, adverse effects of antibiotics, antineoplastic agents, anti-infective agents	3	1	3	2	3	2	2	3	3	2	3
	CO473T.4 Design scheme for synthesis of medicinally useful drugs.	3	3	3	2	2	3	1	3	3	1	3
	Average = 2.22	3	1.25	2.75	1	1.75	2.5	1.5	3	3	1.75	3

Course code/Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
4.7.3 P Practical Med Chem III	Student will be able to CO473P.1 Plan, synthesise and monitor reactions over	3	3	3	2	1	3	2	3	2	2	3

	TLC of medicinally important drugs/drug intermediates.											
	CO473P.2 Interpret synthesised compounds by spectral characterisations.	3	3	3	3	1	2	2	3	1	-	3
	CO473P.3 Develop skills involved in purification of synthesised compounds by chromatography techniques.	3	3	3	2	1	3	2	2	2	3	3
	CO473P.4 Explain techniques like Gas chromatography, Atomic absorption	3	3	3	3	1	3	2	2	1	1	3
	Average= 2.25	3	3	3	2.50	1	2.75	2	2.50	1.5	1.5	3

Course code/Course title	Course Outcomes	PO										
		1	2	3	4	5	6	7	8	9	10	11
Natural Products: Commerce, Industry & Regulations 4.8.6 T	Student will be able to C486T.1 Classify and explain different segments in market, demand and supply position, export-import potential of Indian herbal drugs, government organizations, regulation and patenting in herbal drug industry.	3	3	3	2	1	2	3	3	3	1	3
	C486T.2 Understand and explain safe use of herbal drugs and their toxicities, herbal - drug/ herbal-food interactions.	3	1	3	2	1	3	3	3	2	1	3
	C486T.3 Describe need and significance of pharmacovigilance of herbal medicine with WHO guidelines on safety monitoring of herbals.	2	1	3	-	2	3	2	3	3	1	3

	C486T.4 Understand and classify plant allergens and their symptoms, diagnosis and treatment with method of preparation of allergenic extracts.	2	3	3	2	1	3	3	3	3	2	3
	Average= 2.38	2.5	2	3	2	1.2 5	2.7 5	2.7 5	3	2.7 5	1.2 5	3

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

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

If there is no correlation, put ‘-‘

Observations:

1. Key phrases were identified from each PO after discussion in staff meeting and mapping done with respect to matching key phrases.
2. More than 70% of key phrases matching then attainment given as high (3), 50 to 69% matching is given with moderate attainment (2), 1 to 49% matching is given with low attainment (1) and if no any phrase is matching then put ‘-’.
3. This mapping is further critically reviewed in departmental meetings with HODs.

Each PO was assessed as high (3), moderate (2) and low (1) attainment levels and (-) indicates no mapping with respective PO.

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

In Table 3.1.2, the matrixing of course outcomes and program outcomes was attempted. This table contained several details and given for eight semesters. The details of all courses for all semesters are combined and given in Table 3.1.3. Information given in Table 3.1.3 is same withthat of table 3.1.2.

Matrixing of Course outcome with PO are done. Average of each PO is the made by using the scale 1 to 3 (low to high) from COs and then averages of each PO are again compiled as average of course outcome.

Table 3.1.3 Course-PO matrix of courses for all four years of study 2020-21

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	Avg.
BP101T	3	1	2.5	2.25	1.5	2.75	2.25	3	3	1.5	3	2.34
BP102T	2.75	2.25	2.75	2	2	2.5	2.5	3	3	1.5	3	2.48
BP103T	2	2.5	2.5	2.75	2.75	2	1.75	3	1	1	3	2.20
BP104T	2	2	3	2.5	2	2.25	2.5	3	2.75	3	2.75	2.52
BP105T	1	1.5	2.5	0.25	1	1.50	0.25	3	0.25	0.5	2	1.25
BP106RBT	3	2	2.75	2	2	2.5	2.75	2.75	2.5	2	3	2.48
BP106RMT	3	2	2.5	2.5	3	2.5	2	3	2	1	2.25	2.43
BP107P	2.75	2.25	2.75	2	2	2.5	2.5	3	3	1.5	3	2.48
BP108P	2	2.5	2.5	2.75	2.75	2	1.75	3	1	1	3	2.20
BP109P	2.5	2.25	3	2.75	1.5	2.25	2	3	2	0.75	2.75	2.25
BP110P	2	2	3	2.5	2	2.25	2.5	3	2.75	3	2.75	2.52
BP111P	1	1.5	2.5	0.25	1	1.50	0.25	3	0.25	0.5	2	1.25
BP112RBP	3	2.5	3	2.25	2.25	2.75	3	3	2.5	1.5	3	2.61
BP201T	3	1.75	2.75	1.75	1.75	2	1.75	2.25	2	1	3	2.09
BP202T	1.75	1.25	2.5	2.5	1.5	1.75	1.5	2.75	2	2.5	2.25	2.02
BP203T	3	1.75	3	3	2.75	2.75	2.25	3	3	2.75	3	2.75
BP204T	3	2	2	2	2.5	2	3	3	2	2	3	2.41
BP205T	1	1.25	2	3	1	1	0.5	1	2	0.25	2.5	1.40
BP206T	1	1.5	2.5	0.25	1	1.50	0.25	3	0.25	3	2	1.48
BP207P	3	2	2.5	2	2	2	2	3	3	1.5	3	2.36
BP208P	1.5	1.75	2.25	2	1.5	1.75	1	2.25	1.5	2.25	1.75	1.77
BP209P	2.75	3	3	2.75	2.25	3	2	3	2.5	2	3	2.66
BP210P	1	1.25	2	3	0.25	1	0.5	1	2	0.25	2.5	1.34
BP301T	2.75	1.5	3	1.5	2.25	2.5	1	2.5	2	1.25	3	2.11
BP302T	2	2	3	3	2	1	1	3	2.5	2.5	3	2.27
BP303T	3	2	2.75	2.5	2	2	2.5	2	2	2	2.5	2.29
BP304T	3	2.5	2.75	2.25	2	2	2.5	2	2	2	2.5	2.31
BP305P	3	2.75	2.75	1.25	2.25	2.5	2	3	2	1.5	3	2.36
BP306P	2	2	3	3	2	3	2	3	3	2.75	3	2.61
BP307P	3	2	2.75	2.5	2	2	2.5	2	2	2	2.5	2.29
BP308P	3	2	2.75	2.5	2	2	2.5	2	2	2	2.5	2.34
BP401T	2.75	1	2.75	1.25	1.25	2.50	1.0	1.0	1.25	1.0	3	1.70

BP402T	3	2.5	3	2.75	2	3	2	3	3	3	3	2.75
BP403T	2	2	3	2.75	1	1	1	3	2.75	3	3	2.22
BP404T	3	3	3	1.5	2	3	3	3	3	1	3	2.59
BP405T	1.75	2.25	3	1.75	1	3	2.25	3	2.5	1.75	2	2.20
BP406P	3	2	3	3	2	3	2	3	3	3	3	2.72
BP407P	2	2	3	3	2	1	1	3	3	3	3	2.36
BP408P	3	2.5	3	2.25	2	3	2.25	3	2	1.5	1.75	2.39
BP409P	1	2	3	2.5	1	2.5	1	3	1	-	1.75	1.70
BP501T	3	1.5	3	1.5	2.75	2.5	1.75	3	3	1.75	3	2.43
BP502T	3	2.25	2	1.75	2	2	1.75	2	2	1	2.25	2
BP503T	3	2.25	2.75	2	2.75	2	2.25	3	2.75	1	3	2.43
BP504T	2	2.25	3	3	1	2	2	3	2.25	2.5	2.25	2.29
BP505T	2	3	3	1	3	3	3	3	2	2	3	2.55
BP506P	3	3	2	2	2	2	2	2	1.75	1	2.25	2.09
BP507P	3	3	2.75	2.25	1.25	2.25	2	3	2	2.25	3	2.43
BP508P	1.5	2.5	3	1.75	1	2.5	2	3	2	2.75	3	2.27
BP601T	3	1.5	3.0	2	1.75	3	1.25	3	3	-	3	2.45
BP602T	3	2.25	3	2	3	2.25	3	3	2.5	1.5	3	2.59
BP603T	2.75	2.5	3	2	1.5	2.75	3	3	2.75	1.5	3	2.52
BP604T	2.5	2.25	3	3	2.25	2	3	3	3	3	3	2.72
BP605T	3	2	2.5	2.75	2	2.5	3	2	3	2.25	2.75	2.52
BP606T	2.6	2.8	2	2.4	2.4	2.8	2.2	3	3	2.8	2	2.54
BP607P	3	2	3	2.5	1.25	1	1.75	1.75	1	2.25	3	2.045
BP608P	3	3	3	2.75	1.75	2	2	3	2	1.75	3	2.47
BP609P	1.75	1	3	2	1	2.75	2	3	2.5	1.5	2.25	2.068
471T	2.6	1.8	2.2	2.2	1.6	2.6	1.8	2	2.6	1.2	2.4	2.09
471P	2.75	2.5	2.25	2.25	1.5	2.25	2	2	2.25	1	2.25	2.090
472T	3	3	3	3	3	3	2	3	2.5	2	2	2.68
472P	2.75	2.5	3	2.75	2.5	2.75	2	3	2	2	3	2.84
473T	3	1.25	2.75	1.0	1.75	2.5	1.5	3	3	1.75	3	2.22
473P	3	3	3	2.50	1	2.75	2	2.50	1.5	1.5	3	2.25
474T	3	1	3	2.25	2	2.25	2.5	3	2.5	1.5	3	2.36
474P	3	2.33	3	1.33	2	2.67	2	3	2.67	1.33	3	2.39
475T	2	2.5	3	2	1.5	3	2.75	3	3	1.5	2.75	2.45

475P	1.5	2.25	3	1.75	1	2.75	1.75	3	3	1.5	2	2.136
476T	2.5	2.25	3	3	2.25	2	3	3	3	3	3	2.72
477T	2.75	3	3	1	3	3	3	3	3	2	3	2.70
481T	2.5	2	2.25	2	1.5	1.75	1.5	1	1.5	1.25	2.25	1.77
481P	2.75	2.25	2.25	2	1.5	2.25	1.75	1.5	1.25	1	2.25	1.77
482T	3	2.6	2	1	2	2	2	2	2	2	2.2	2.07
482P	3	2.8	2	2	2	2	2	2	2	1	2.4	2.01
483T	3	3	3	3	2.75	3	2	3	2	2	2	2.61
483P	2.75	2	3	2.75	2.5	2.75	2	3	2	2	3	2.52
484T	2.75	1.0	2.75	1.25	1.75	2.75	1.25	2.5	2.5	0.25	3	1.97
484P	3	2	3	2.5	1.25	2.0	1.0	2.0	1.25	1.25	3	2.02
485T	3	3	3	2.75	2.5	2.75	2.75	2.75	2.75	1.75	3	2.72
485P	3	3	2.75	2.5	2	2.5	2	3	2.5	2	3	2.57
486T	2.5	2	3	2	1.25	2.75	2.75	3	2.75	1.25	3	2.38
487T	2.6	2.8	2	2.4	2.4	2.8	2.2	3	3	2.8	2	2.545

The following are the observations from the Table 3.1.3

1. PO 1 and PO 11 have highly attainable values for theory subjects.
2. For practical courses, PO 1 to PO 4 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 (required attainment) 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)

(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)

Assessment process is divided into

two parts

1. Internal examination

2. University examination

Internal Theory Examination is assessed by Theory papers, MCQ, assignments, open book test, student's attendance and student teacher interaction.

Theory papers involved short answers as well as long answers questions. MCQ is multiple choice questions. Assignments involve long answers type questions. Question pattern in assignments is uniform for all courses. Different questions are given to different group of students for assignment.

Practical internal examination is assessed by Assignments, Journal marks, Continuous evaluation of practicals and practical test.

University examination is carried out by Savitribai Phule Pune University. As the university does not provide average marks we have set target level for every year.

For the year 2019-20 target level is set for 58% for both theory and practical courses.

For the year 2020-21, target level is set for 61% for both theory and practical courses.

For the year 2021-22, target level is set for 64% for both theory and practical courses.

If 50 to 59% of students have obtained marks above target level then attainment is considered as low -1.

If 60 to 69% of students have obtained marks above target level then attainment is considered as moderate-2.

If 70 % and above students have obtained marks above target level 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:

Program	Year(Pattern)	%Weightage Internal Examination	%Weightage University Examination
F.Y.B.Pharm.	2019-20 (2019)	25	75
S.Y.B.Pharm.	2019-20 (2018)	25	75
T.Y.B.Pharm and Final Year B.Pharm	2019-20 (2015)	40	60
F.Y.B.Pharm, S.Y.B.Pharm	2020-21 (2019)	25	75
T.Y.B.Pharm.	2020-21 (2018)	25	75
Final Year BPharm	2020-21 (2015)	40	60
F.Y.B.Pharm., S.Y.B.Pharm,T.Y.B.Pharm	2021-22 (2019)	25	75
Final Year B.Pharm	2021-22 (2018)	25	75

Accordingly calculations are made for all courses for all 2019-20, 2020-21 and 2021-22.

3.2.2 Record the attainment of Course Outcomes of all courses with respect to set attainment levels (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 mid term 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 weightages appropriately for University exams and internal assessment with due justification.*

Course Outcome Attainment:

As per the curriculum prescribed by SPPU weightages of University end semester examination marks and internal examination marks were considered and it was decided to calculate the CO attainments as follows :

(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 3: $1.8 + 1.2 = 3$

(2018 and 2019 Pattern): 75% weightage is given to university examination and 25% weightage is given to internal assessment, the attainment calculations are as follows:

75% of 3 + 25% of 3: $2.25 + 0.75 = 3$

Table 3.2.2: Attainment of Course Outcomes (2020-21)

Course code	Course Name	University Attainment		Sessional Attainment		Attainment Level		% Attainment Achieved	Attainment in scale of
		100%	75%	100%	25%	Achieved	Required		
First Year B. Pharm(2019 Pattern)									
BP101 T	Human Anatomy and Physiology – I	3	2.25	3	0.75	3	2.34	128.20	3
BP102 T	Pharmaceutic al Analysis- – I	0	0	3	0.75	0.75	2.61	28.73	0
BP103 T	Pharmaceutic s-I	3	2.25	3	0.75	3	2.34	128.20	3
BP104 T	Pharmaceutic al Inorganic Chemistry – I	2	1.5	3	0.75	2.25	1.84	122.28	3
BP105	Communicati on Skills	3	2.25	3	0.75	3	1.25	240	3
BP106 RBT	Remedial Biology	3	2.25	3	0.75	3	2.48	120.96	3
BP106 RBT	Remedial Mathematics	3	2.25	3	0.75	3	2.43	123.45	3
BP107 P	Human Anatomy and Physiology	3	2.25	3	0.75	3	2.48	120.96	3
BP108 P	Pharmaceutic al Analysis—I	3	2.25	3	0.75	3	2.20	136.36	3
BP109 P	Pharmaceutic s-I	3	2.25	3	0.75	3	2.25	133.33	3
BP110 P	Pharmaceutic al Inorganic Chemistry	3	2.25	3	0.75	3	2.52	119.04	3
BP111 P	Communicati on Skills	3	2.25	3	0.75	3	1.25	240	3
BP112 RBP	Remedial Biology	3	2.25	3	0.75	3	2.61	114.94	3
BP201 T	Human Anatomy and Physiology-II	3	2.25	3	0.75	3	2.09	143.54	3
BP202	Pharmaceutic	3	2.25	3	0.75	3	2.02	148.51	3

T	al Organic Chemistry--I								
BP203 T	Biochemistry	3	2.25	3	0.75	3	2.75	109.09	3
BP204 T	Pathophysiology	3	2.25	3	0.75	3	2.41	124.48	3
BP205 T	Computer Application	3	2.25	3	0.75	3	1.40	214.28	3
BP206 T	Environmental Science	3	2.25	3	0.75	3	1.48	202.70	3
BP207 P	Human Anatomy and Physiology-II	3	2.25	3	0.75	3	2.36	127.11	3
BP208 P	Pharmaceutical Organic Chemistry--I	3	2.25	3	0.75	3	1.77	169.49	3
BP209 P	Biochemistry	3	2.25	3	0.75	3	2.66	112.78	3
BP210 P	Computer Applications in Pharmacy	3	2.25	3	0.75	3	1.34	223.88	3
SY BPharm (2018 pattern)									
BP301 T	Pharmaceutical Organic Chemistry—II	3	2.25	3	0.75	3	2.11	142.18	3
BP302 T	Physical Pharmacy-I	3	2.25	3	0.75	3	2.27	132.15	3
BP303 T	Pharmaceutical Microbiology	3	2.25	3	0.75	3	2.29	131.00	3
BP304 T	Pharmaceutical Engineering	2	1.5	3	0.75	2.25	2.31	97.40	3
BP305 P	Pharmaceutical Organic Chemistry—II	3	2.25	3	0.75	3	2.36	127.11	3
BP306 P	Physical Pharmacy-I	3	2.25	3	0.75	3	2.61	114.94	3
BP307 P	Pharmaceutical Microbiology	3	2.25	3	0.75	3	2.29	131.00	3
BP308 P	Pharmaceutical	3	2.25	3	0.75	3	2.34	128.20	3

	Engineering								
BP401 T	Pharmaceutic al Organic Chemistry-III	3	2.25	3	0.75	3	1.70	176.47	3
BP402 T	Medicinal Chemistry-I	3	2.25	3	0.75	3	2.75	109.09	3
BP403 T	Physical Pharmacy-II	3	2.25	3	0.75	3	2.22	135.13	3
BP404 T	Pharmacolog y-I	3	2.25	3	0.75	3	2.59	115.83	3
BP405 T	Pharmacogno sy and Phytohemistr y –I	3	2.25	3	0.75	3	2.20	136.36	3
BP406 P	Medicinal Chemistry-I	3	2.25	3	0.75	3	2.72	110.29	3
BP407 P	Physical Pharmaceutic s-II	3	2.25	3	0.75	3	2.36	127.11	3
BP408 P	Pharmacolog y-I	3	2.25	3	0.75	3	2.39	125.52	3
BP409 P	Pharmacogno sy and Phytochemist ry –I	3	2.25	3	0.75	3	1.70	176.47	3
T.Y.B. Pharm (2018 Pattern)									
BP501 T	Medicinal Chemistry-II	3	2.25	3	0.75	3	2.20	136.36	3
BP502 T	Formulative Pharmacy	3	2.25	3	0.75	3	2	150	3
BP503 T	Pharmacolog y-II	3	2.25	3	0.75	3	2.43	123.45	3
BP504 T	Pcog & Phytochemist ry II	3	2.25	3	0.75	3	2.29	131.00	3
BP505 T	Pharm Juris	3	2.25	3	0.75	3	2.55	117.64	3
BP506 P	Formulative Pharmacy	3	2.25	3	0.75	3	2.09	143.54	3
BP507 P	Pharmacolog y-II	3	2.25	3	0.75	3	2.43	123.45	3
BP508 P	Pcog & Phytochemist ry II	3	2.25	3	0.75	3	2.27	132.15	3
BP601	Medicinal	3	2.25	3	0.75	3	2.45	122.44	3

T	Chemistry-III								
BP602 T	Pharmacology-III	3	2.25	3	0.75	3	2.59	115.83	3
BP603 T	Herbal Drug Technology	3	2.25	3	0.75	3	2.52	119.04	3
BP604 T	Biopharm & P'kinetics	3	2.25	2	0.5	2.75	2.72	101.10	3
BP605 T	Biotechnology	3	2.25	3	0.75	3	2.52	119.04	3
BP606 T	Quality Assurance	3	2.25	3	0.75	3	2.54	118.11	3
BP607 P	Medicinal Chemistry-III	3	2.25	3	0.75	3	2.05	146.34	3
BP608 P	Pharmacology-III	3	2.25	3	0.75	3	2.47	121.45	3
BP609 P	Herbal Drug Technology	3	2.25	3	0.75	3	2.07	144.92	3

Final Year B.Pharm (2015 Pattern)

Course Code	Course Name	University Attainment		Sessional Attainment		Attainment level		% Attainment Achieved	Attainment in scale of 3
		100%	60%	100%	40%	Achieved	Required		
471	Sterile Product	3	1.8	3	1.2	3	2.09	143.54	3
471p	Sterile Product	3	1.8	3	1.2	3	2.09	143.54	3
472	Pharmaceutical Analysis—V	3	1.8	3	1.2	3	2.68	111.94	3
472p	Pharmaceutical Analysis-V	3	1.8	3	1.2	3	2.84	105.63	3
473	Medicinal Chemistry-III	3	1.8	3	1.2	3	2.22	135.13	3
473p	Medicinal Chemistry-III	3	1.8	3	1.2	3	2.25	133.33	3
474	Pharmacology-IV	3	1.8	3	1.2	3	2.36	127.11	3
474P	Pharmacology-IV	2	1.2	3	1.2	2.4	2.39	100.41	3
475	Natural Drug Technology	3	1.8	3	1.2	3	2.45	122.44	3
475P	Natural Drug Technology	3	1.8	3	1.2	3	2.14	140.18	3
476	Biopharmaceutics and Pharmacokin	3	1.8	3	1.2	3	2.72	110.29	3

	etics								
477	Pharmaceutic al Jurisprudence	3	1.8	3	1.2	3	2.70	111.11	3
481	Advance Drug Delivery System	3	1.8	3	1.2	3	1.77	169.49	3
481P	Advance Drug Delivery System	3	1.8	3	1.2	3	1.77	169.49	3
482	Cosmetic science	3	1.8	3	1.2	3	2.07	144.92	3
482P	Cosmetic science	3	1.8	3	1.2	3	2.01	149.25	3
483	Pharmaceutic al Analysis- VI	3	1.8	3	1.2	3	2.61	114.94	3
483P	Pharmaceutic al Analysis- VI	3	1.8	3	1.2	3	2.52	119.04	3
484	Medicinal Chemistry-VI	3	1.8	3	1.2	3	1.97	152.28	3
484P	Medicinal Chemistry-VI	3	1.8	3	1.2	3	2.02	148.51	3
485	Pharmacolog y-V (Including Biostatics)	3	1.8	3	1.2	3	2.72	110.29	3
485P	Pharmacolog y-V (Including Biostatics)	3	1.8	3	1.2	3	2.57	116.73	3
486	Natural Products Commerce, Industry and Regulation	3	1.8	3	1.2	3	2.38	126.05	3
487	Quality Assurance Technique	3	1.8	3	1.2	3	2.55	117.64	3

Following are the conclusions drawn from analysis of results both internal and university examination 2020-21

- Practicals: All courses (34) have attained 100% of aggregate of course outcomes.
- Theory: 46 courses (out of 47) have attained 100% of aggregate of course outcomes.

3.3 Attainment of Program Outcomes (40)

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

(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 are mentioned in 3.2.1.

The course outcomes are mapped for each program outcomes. Several tools are used to assess course outcomes and program outcomes are based on course outcomes and same tools are used to assess program outcomes in addition indirect tools like surveys are also used.

Direct Attainment Tools

The various direct assessment tools for assessing the student data and the PO attained are as follows:

Assessing Tool	Frequency	Program outcome
Internal examination Theory Paper	Twice per semester	PO1-PO4, PO6, PO7, PO9, PO 11
Internal Assignment Examination	Once per semester	PO1-PO4, PO6, PO7, PO9, PO 11
Internal Practical Examination	Twice per semester	All Pos
Internal Practical Continuous evaluation	Every practical	All Pos
Internal Practical Assignment	Once per semester	PO1-PO4, PO6, PO7, PO9, PO 11
University Theory Examination	Once per semester	PO1-PO4, PO6, PO7, PO9, PO 11
University Practical Examination	Once per semester	All Pos

Indirect Attainment Tools

The various indirect assessment tools for assessing the students and the PO attained are as follows:

Assessing Tool	Frequency	Program outcome
Student Exit Survey	Once per year	All Pos
Alumni Survey	Once per year	All Pos
Parents Survey	Once per year	All Pos

Assessment process:

The assessment processes include direct and indirect methods for evaluation of PO attainment.

Direct methods:

Direct method comprises of University End term Theory and Practical Examination and internal Theory and Practical Examination. Internal theory papers include short as well as long answer type questions and these papers are framed by individual subject teacher with focus on POs.

MCQ examination and theory assignments are carried out per semester. Assignments include long answer type questions. In case of internal practical examination, synopsis, major experiment, minor experiment, viva voce etc., are the components. During viva- voce students are evaluated based on rubrics system. Practical question paper is also framed by individual subject teacher covering maximum POs. Continuous evaluation pattern is also implemented during each practical where affective domain, cognitive skills and psychomotor skills are evaluated. Practical assignment is also carried out with focus on covering maximum POs.

Indirect methods: Surveys are conducted at different levels: alumni survey, exit survey and parent survey.

PO evaluation: Frequency of carrying out the process: once in year

3.3.2 Provide results of evaluation of each PO (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 were performed at two levels

i) Student performance (Direct)-80%

Value ii) Surveys (Indirect)-20%

value.

Table 3.3.2: Attainment of Program Outcomes: 2020-21

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP101T	3	1	2.5	2.25	1.5	2.75	2.25	3	3	1.5	3
BP102T	2.75	2.25	2.75	2	2	2.5	2.5	3	3	1.5	3
BP103T	2	2.5	2.5	2.75	2.75	2	1.75	3	1	1	3
BP104T	2	2	3	2.5	2	2.25	2.5	3	2.75	3	2.75
BP105T	1	1.5	2.5	0.25	1	1.50	0.25	3	0.25	0.5	2
BP106RBT	3	2	2.75	2	2	2.5	2.75	2.75	2.5	2	3
BP106RMT	3	2	2.5	2.5	3	2.5	2	3	2	1	2.25
BP107P	2.75	2.25	2.75	2	2	2.5	2.5	3	3	1.5	3
BP108P	2	2.5	2.5	2.75	2.75	2	1.75	3	1	1	3
BP109P	2.5	2.25	3	2.75	1.5	2.25	2	3	2	0.75	2.75
BP110P	2	2	3	2.5	2	2.25	2.5	3	2.75	3	2.75
BP111P	1	1.5	2.5	0.25	1	1.50	0.25	3	0.25	0.5	2
BP112RBP	3	2.5	3	2.25	2.25	2.75	3	3	2.5	1.5	3
BP201T	3	1.75	2.75	1.75	1.75	2	1.75	2.25	2	1	3
BP202T	1.75	1.25	2.5	2.5	1.5	1.75	1.5	2.75	2	2.5	2.25
BP203T	3	1.75	3	3	2.75	2.75	2.25	3	3	2.75	3
BP204T	3	2	2	2	2.5	2	3	3	2	2	3
BP205T	1	1.25	2	3	1	1	0.5	1	2	0.25	2.5
BP206T	1	1.5	2.5	0.25	1	1.50	0.25	3	0.25	3	2
BP207P	3	2	2.5	2	2	2	2	3	3	1.5	3
BP208P	1.5	1.75	2.25	2	1.5	1.75	1	2.25	1.5	2.25	1.75
BP209P	2.75	3	3	2.75	2.25	3	2	3	2.5	2	3

BP210P	1	1.25	2	3	0.25	1	0.5	1	2	0.25	2.5
BP301T	2.75	1.5	3	1.5	2.25	2.5	1	2.5	2	1.25	3
BP302T	2	2	3	3	2	1	1	3	2.5	2.5	3
BP303T	3	2	2.75	2.5	2	2	2.5	2	2	2	2.5
BP304T	3	2.5	2.75	2.25	2	2	2.5	2	2	2	2.5
BP305P	3	2.75	2.75	1.25	2.25	2.5	2	3	2	1.5	3
BP306P	2	2	3	3	2	3	2	3	3	2.75	3
BP307P	3	2	2.75	2.5	2	2	2.5	2	2	2	2.5
BP308P	3	2	2.75	2.5	2	2	2.5	2	2	2	2.5
BP401T	2.75	1	2.75	1.25	1.25	2.50	1.0	1.0	1.25	1.0	3
BP402T	3	2.5	3	2.75	2	3	2	3	3	3	3
BP403T	2	2	3	2.75	1	1	1	3	2.75	3	3
BP404T	3	3	3	1.5	2	3	3	3	3	1	3
BP405T	1.75	2.25	3	1.75	1	3	2.25	3	2.5	1.75	2
BP406P	3	2	3	3	2	3	2	3	3	3	3
BP407P	2	2	3	3	2	1	1	3	3	3	3
BP408P	3	2.5	3	2.25	2	3	2.25	3	2	1.5	1.75
BP409P	1	2	3	2.5	1	2.5	1	3	1	-	1.75
BP501T	3	1.5	3	1.5	2.75	2.5	1.75	3	3	1.75	3
BP502T	3	2.25	2	1.75	2	2	1.75	2	2	1	2.25
BP503T	3	2.25	2.75	2	2.75	2	2.25	3	2.75	1	3
BP504T	2	2.25	3	3	1	2	2	3	2.25	2.5	2.25
BP505T	2	3	3	1	3	3	3	3	2	2	3
BP506P	3	3	2	2	2	2	2	2	1.75	1	2.25
BP507P	3	3	2.75	2.25	1.25	2.25	2	3	2	2.25	3
BP508P	1.5	2.5	3	1.75	1	2.5	2	3	2	2.75	3
BP601T	3	1.5	3.0	2	1.75	3	1.25	3	3	-	3
BP602T	3	2.25	3	2	3	2.25	3	3	2.5	1.5	3
BP603T	2.75	2.5	3	2	1.5	2.75	3	3	2.75	1.5	3
BP604T	2.5	2.25	3	3	2.25	2	3	3	3	3	3
BP605T	3	2	2.5	2.75	2	2.5	3	2	3	2.25	2.75

BP606T	2.6	2.8	2	2.4	2.4	2.8	2.2	3	3	2.8	2
BP607P	3	2	3	2.5	1.25	1	1.75	1.75	1	2.25	3
BP608P	3	3	3	2.75	1.75	2	2	3	2	1.75	3
BP609P	1.75	1	3	2	1	2.75	2	3	2.5	1.5	2.25
471T	2.6	1.8	2.2	2.2	1.6	2.6	1.8	2	2.6	1.2	2.4
471P	2.75	2.5	2.25	2.25	1.5	2.25	2	2	2.25	1	2.25
472T	3	3	3	3	3	3	2	3	2.5	2	2
472P	2.75	2.5	3	2.75	2.5	2.75	2	3	2	2	3
473T	3	1.25	2.75	1.0	1.75	2.5	1.5	3	3	1.75	3
473P	3	3	3	2.50	1	2.75	2	2.50	1.5	1.5	3
474T	3	1	3	2.25	2	2.25	2.5	3	2.5	1.5	3
474P	3	2.33	3	1.33	2	2.67	2	3	2.67	1.33	3
475T	2	2.5	3	2	1.5	3	2.75	3	3	1.5	2.75
475P	1.5	2.25	3	1.75	1	2.75	1.75	3	3	1.5	2
476T	2.5	2.25	3	3	2.25	2	3	3	3	3	3
477T	2.75	3	3	1	3	3	3	3	3	2	3
481T	2.5	2	2.25	2	1.5	1.75	1.5	1	1.5	1.25	2.25
481P	2.75	2.25	2.25	2	1.5	2.25	1.75	1.5	1.25	1	2.25
482T	3	2.6	2	1	2	2	2	2	2	2	2.2
482P	3	2.8	2	2	2	2	2	2	2	1	2.4
483T	3	3	3	3	2.75	3	2	3	2	2	2
483P	2.75	2	3	2.75	2.5	2.75	2	3	2	2	3
484T	2.75	1.0	2.75	1.25	1.75	2.75	1.25	2.5	2.5	0.25	3
484P	3	2	3	2.5	1.25	2.0	1.0	2.0	1.25	1.25	3
485T	3	3	3	2.75	2.5	2.75	2.75	2.75	2.75	1.75	3
485P	3	3	2.75	2.5	2	2.5	2	3	2.5	2	3
486T	2.5	2	3	2	1.25	2.75	2.75	3	2.75	1.25	3
487T	2.6	2.8	2	2.4	2.4	2.8	2.2	3	3	2.8	2
Average	2.53	2.16	2.73	2.17	1.88	2.31	1.97	2.67	2.25	1.76	2.68
80% of direct	2.03	1.72	2.19	1.74	1.50	1.85	1.58	2.14	1.80	1.41	2.15
Indirect	3	3	3	3	3	3	3	3	3	3	3
20% of indirect	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

Total Direct + Indirect	2.63	2.32	2.79	2.34	2.10	2.45	2.18	2.74	2.40	2.01	2.75
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The following are the observations made:

From the calculations the results are tabulated as follows for the academic year 2020-21.

PO1, PO 3, PO6, PO 8, PO9 and PO 11 is attained more than 80%,

PO 2, PO 4, PO5, PO7 are attained in between 70 to 79%.

PO 10 is attained 67%.

As compared to previous cycle evaluation, all POs have been attained satisfactorily (more than 67%) .

As compared to previous academic year, attainment of PO is increased in this academic year.

Sr.No	Assessment Parameters	Marks	
		Prescribed	Institute
3			
3.1	Establish the correlation between the courses and the Program Outcomes (20)		
3.1.1	Course Outcomes	05	05
3.1.2	CO-PO matrices of courses selected in 3.1.1	05	05
3.1.3	Course –PO matrix of courses for all four years of study (4 years)	10	10
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	10
3.2.2	Record the attainment of Course Outcomes of all courses with respect to set attainment levels	30	26
3.3	Attainment of Program Outcomes (40)		
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	26
	Total	100	92

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

Item	CAY (2021-22)	CAYm1 (2020-21)	CAYm2 (2019-20)	CAYm3 (2018-19)
Sanctioned intake of the program (N)	100	100	60	60
Total number of students admitted in first year(N1)	110	102	62	59
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	2022-23 Lateral Admission	22	11	09
Total number of students admitted in the Program (N1 + N2)	110 + 2022-23 Lateral Admission	124	73	68

4.1. Enrolment Ratio (20)

Enrolment Ratio= N1/N

Item (Students enrolled at the First Year Level on average basis during the previous three academic years starting from current academic year)	Marks
>=90% students enrolled	20
>=80% students enrolled	18
>=70% students enrolled	16
>=60% students enrolled	12
>=50% students enrolled	08
<50% students enrolled	0

Enrolment Ratio is above 90% for Students enrolled at the First Year Level on average basis during the previous three academic years starting from current academic year.

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

Year of entry	Number of students admitted in 1st year + admitted via lateral entry in 2nd year (N1 + N2)	Number of students who have successfully graduated without backlogs in any year of study (Without backlog means no compartment/failure in any semester/year of study)			
		I Year	II Year	III Year	IV Year
CAY (2021-22)	110 + 2022-23 Admission				
CAY _{m1} (2020-21)	124	100			
CAY _{m2} (2019-20)	73	57	68		
CAY _{m3} (2018-19)	68	50	64	64	
CAY _{m4} (LYG) (2017-18)	70	31	53	56	56
CAY _{m5} (LYG _{m1}) (2016-17)	72	22	45	46	49
CAY _{m6} (LYG _{m2}) (2015-16)	70	45	53	56	58

Year of entry	Number of students admitted in 1st year + admitted via lateral entry in 2nd year (N1 + N2)	Number of students who have successfully graduated (Students with backlog in stipulated period of study)			
		I Year	II Year	III Year	IV Year
CAY (2021-22)	110 + 2022-23 Admission				
CAY _{m1} (2020-21)	124	102			
CAY _{m2} (2019-20)	73	59	69		
CAY _{m3} (2018-19)	68	58	64	64	
CAY _{m4} (LYG) (2017-18)	70	47	56	56	56
CAY _{m5} (LYG _{m1}) (2016-17)	72	44	49	49	49
CAY _{m6} (LYG _{m2}) (2015-16)	70	53	60	60	58

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

$SI = (\text{Number of students who graduated from the program without backlog}) / \{(\text{Number of students admitted in the first year of that batch}) + (\text{lateral entry students admitted in second year of study})\}$

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

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

Item	Latest Year of Graduation (LYG) (2020-21)	Latest Year of Graduation minus 1 (LYG m1) (2019-20)	Latest Year of Graduation minus 2 (LYG m2) (2018-19)
Number of students admitted in the corresponding First Year + admitted in 2 nd year via lateral entry	70	72	70
Number of students who have graduated without backlog in the stipulated period	56	49	58
Success index (SI)	0.80	0.68	0.83
Average SI	0.77		
Success rate	Average SI x 30 = 0.77 x 30 = 23.1		

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

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

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

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

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

Item	Latest Year of Graduation (LYG) (2020-21)	Latest Year of Graduation minus 1 (LYG m1) (2019-20)	Latest Year of Graduation minus 2 (LYG m2) (2018-19)
Number of students admitted in the corresponding First Year + admitted in 2 nd year via lateral entry	70	72	70
Number of students who have graduated with backlogs in the stipulated period	56	49	58
Success index (SI)	0.8	0.68	0.83
Average SI	0.77		
Success rate	Average SI x 20 = 0.77 x 20 = 15.4		

4.3. Academic Performance in Final Year (10)

Academic Performance = Average API

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

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

Academic Performance	CAYm1 (2020-21)	CAYm2 (2019-20)	CAYm3 (2018-19)
Mean of CGPA or Mean Percentage of all successful students (X)	8.41	8.05	6.96
Total no. of successful students (Y)	56	49	58
Total no. of students appeared in the examination (Z)	56	49	60
API = $x/10 * (Y/Z)$	0.84	0.80	0.67
Academic Performance = Average API = $(AP1 + AP2 + AP3)/3$	0.77		

4.4. Academic Performance in Third Year (10)

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

Academic Performance	CAYm1 (2020-21)	CAYm2 (2019-20)	CAYm3 (2018-19)
Mean of CGPA or Mean Percentage of all successful students (X)	8.00	7.59	6.95
Total no. of successful students (Y)	64	56	49
Total no. of students appeared in the examination (Z)	64	56	49
API = $x/10 * (Y/Z)$	0.80	0.76	0.70
Academic Performance = Average API = $(AP1 + AP2 + AP3)/3$	0.75		

4.5. Academic Performance in Second Year (10)

Academic Performance = Average API

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

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

Academic Performance	CAYm1 (2020-21)	CAYm2 (2019-20)	CAYm3 (2018-19)
Mean of CGPA or Mean Percentage of all successful students (X)	8.52	7.61	6.60
Total no. of successful students (Y)	69	64	56
Total no. of students appeared in the	69	64	57

examination (Z)			
$API = x/10 * (Y/Z)$	0.85	0.76	0.65
Academic Performance = Average API = $(AP1 + AP2 + AP3)/3$	0.75		

4.6. Academic Performance in First Year (20)

Academic Performance = $2.0 * \text{Average API}$

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

Academic Performance	CAYm1 (2020-21)	CAYm2 (2019-20)	CAYm3 (2018-19)
Mean of CGPA or Mean Percentage of all successful students (X)	8.68	7.47	6.61
Total no. of successful students (Y)	102	59	58
Total no. of students appeared in the examination (Z)	102	59	58
$API = x/10 * (Y/Z)$	0.87	0.75	0.66
Average API = $(AP1 + AP2 + AP3)/3$	0.76		
Academic Performance = $2.0 * \text{Average API}$	$2 \times 0.76 = 1.52$		

4.7. Placement and Higher Studies (40)

Assessment Points = $40 \times (x + y)/N$

ITEM	LYG (2020-21)	LYG (2019-20)	LYG (2018-19)
Total no. of final year students (N)	69	52	63
No. of student placed in industries/hospital/Govt. sector on & off campus recruitment or opted	15	14	15

for Entrepreneurship (x)			
No. of student Admitted to higher studies with valid score in various qualifying exams (y)	37	28	35
$x + y$	52	42	50
Placement index= $(x + y)/N$	0.75	0.80	0.79
$T = \text{average of } (x + y)/N$	0.78		
Assessment = $40 \times T$	31.2		

4.8. Professional Activities (20)

4.8.1 Professional societies/chapters and organizing pharmacy events (10)

(Provide the relevant details)

Nature of activity	Title of activity	Date/Venue	Associated professional Society/Body	No of students/ Volunteers participated (approx)
CAYm1(2019-20)				
International conference	Challenges and future perspectives in pharmaceutical sciences	24 th and 25 th January 2020 at Emerald Park and Green view Pancham Hall Nashik	Sponsored by SPPU & Organized by MGVS Pharmacy College, Nashik	150
NSS activity	NSS Camp- Jategaon	4/01/2020 to 10/01/2020 Jategaon	Sponsored by SPPU & Organized by MGVS Pharmacy College, Nashik	27
Rotract club	1) Tree plantation 2) Letters to soldiers	01/07/2019 15/08/2019	Rotract club of MGVS Pharmacy college	15

ICC	1. Participation of girls in Seminar arranged by Nashik Police on Topic 'Say No to Violence Against Women' At Hotel Taj Gateway, Nashik in presence of Police Commissioner Vishwas Nangre Patil, Rani Mukharjee(Actress) Mukta Barve(Actress) Pravin Tarade (Actor)	16/12/2019 09/03/2020	MGV's Pharmacy College	20
	2.Celebration of International Women's Day Chief Guest-PSI Gayatri Jadhav (Nirbhaya Unit1) Topic-Women Safety Awareness about safety precautions to be taken on Social Media.		MGV's Pharmacy College	60
Start Up and Innovation Cell	College Level Ideation Competition under Start up and Innovation Cell PPT presentation on one of the following theme- Innovative Packaging design and Patient Compliance	03/10/2019	MGV's Pharmacy College	50 students (15 groups)
CAYm(2020-21)				
SPPU-Workshop	Syllabus orientation workshop – Pharmacognosy- July 2020 (online)	02/07/ 2020 conducted online	Jointly organized by MGV's Pharmacy College (Nashik) and Faculty of Science and Technology (Pharmacy) BOS- Pharmacognosy-	125

			SPPU Pune	
NSS activity	1) Yoga day 2) Arsenic album distribution 3) Webinar on organ donation by Dr.Dilip Bhavsar 4) Tree plantation 5) Teacher's day 6) RTPCR Test(COVID-19) 7) NSS day 8) Educational day 9) Aids day 10) Gandhi jayanti 11) Balika Din 12) International women's day	1) 21/06/2020 2) 11/08/2020 3) 19/08/2020 4) September 2020 5) 5/09/2020 6) 3/09/ 2020 7) 24/09/2020 8) 11/11/2020 9) 1/12/ 2020 10)2/10/ 2020 11)24/01/2021 12)8/03/2021& 9/03/2021	Sponsored by SPPU & Organized by MGVS Pharmacy College, Nashik	1) 10 2) 110 bottles distributed 3) 100 4)20 5)60 6) 50 7) 100 8) 50 9) 20 10)91 11) 100 12)10
World Pharmacist day	1.Speech on Pharmacist 2. Speech on NSS	25/09/2020	MGV's Pharmacy College	10 participants

ICC	Online activities 1.Elocution Competition- 'Respect Women 'on occasion of national Girl Child Day	25/01/2021	MGV's Pharmacy College	40
	2. Guest lecture by Mrs Swati Pachpande Topic- Gender Equality	06/02/2021		60
	3. Guest Lecture on occasion of Women's Day By Ashwini Deshmukh Nutritionist Green Leaf Pune Topic-Food as Medicine	08/03/2021		50
	4.Guest Lecture on occasion of Women's Day By Dr.Makarand Rane Ayansh Clinic Nasik MBBS MD Internal Medicine,Topic- Pharmacology and Pregnancy Therapeutics	09/03/2021		60
	5. Guest Lecture on occasion of International Health Day By Dr.Sapna Tandale Sanjivani Clinic Nasik,Topic- Women's Health	07/04/2021		50
Start up & Innovation Cell	Online PPT, Video competition Topic- 1. Packaging innovation for promoting marketing of Consumable products. 2. Innovative designing of masks , sanitizers and its effective use	14/12/2020	MGV's Pharmacy College	78 students (20 groups)

	3. Safe disposal and reuse of PPE kit.			
CAY(2021-22)				
NSS Activity	NSS Camp	24/02/2022 to 02/03/2022	Sponsored by SPPU & Organized by MGVS Pharmacy College, Nashik	27
Workshop	One Day workshop on Personality development	17/03/2022, MGVS Pharmacy college, Nashik	Sponsored by SPPU & Organized by MGVS Pharmacy College, Nashik	100
World Pharmacist day	1)Flyer making competition 2) Model making competition 3) Label Making competition 4) Poster making competition	1)01/10/2021 2) 01/10/2021 3) 01/10/2021 4) 04/10/2021	MGVS Pharmacy College, Nashik	1)39 2)28 3)5 4)36 (total 108 participants)
ICC	1).Guest lecture- (On line) Dr.Majusha More MD Ayurveda-आधुनिक जीवनशैली आणि आयुर्वेद 2). Guest lecture-Pallavi Dhatrak-District Sports Officer-Fitness for healthy well being 3). Topic-Gender Equality Aditi Joshi,Tejaswini Nirgude,Madhura Gaikwad S.Y.B.Pharm 4). Ad.Indrayani Patani,Akansha Katkade-International Rugby Player 5). Guest Lecture-	01/07/2021 12/08/2021 11/10/2021 12/10/2021	-- MGVS Pharmacy College, Nashik	75 25staff & 75 students 70 50

	Ad.Avinash Bhide Topic-Social Responsibility and constitutional rights	26/11/2021		20
	6). Slogan Competition-Human Right's Day	10/12/2021		50
	7). Guest Lecture-Prof.Rahul Desale M.S.G. College,Malegaon Topic-Krantijyoti Savitribai Phule	03/01/2021		60
	8). Guest lecture-Advt.Indrayani Patani, Advt.Anjali Patil Topic-Sexual harrasement of women at workplace(Prevention,Prohibition and Redressal) Act 2013	28/01/2021	MGV 's Pharmacy College, Nashik	50
	9). Guest lecture by Advt.Kavita Jadhav Importance and need of world day for social justice.	20/02/2022		70
	10). Guest Lecture on occasion of Women's Day By Advocate Milan Khohor Topic-Constitutional laws for women	08/03/2021		70
	11). Health check up for F.Y.B.Pharm Girls and Boys	07/04/2022		160
	Dr. Manisha S.Shinde, Dr. Dnyaneshwar S.Rakibe ,Health check up of 160 students.	09/05/2022		80
	12) Mother's Day Celebration –All Pharmacy girl students. Lecture by Dr. S. A. Suryavanshi			
Start up & Innovation Cell	<i>Online Innovation Competition</i>	20/11/2021	MGV 's	10 groups

	<p>PPT and Videos on following Topics</p> <p>1). Making online medical consultation happen for the benefit of masses</p> <p>2). Sustainable energy resources and its innovative applications</p> <p>3) Contribution of Pharmacist in promoting a healthy society post Covid-19 pandemic</p> <p>4) Be Vocal for local for Aatmanirbhar Bharat</p>		Pharmacy College, Nashik	(26 total students)
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4.8.2 Publication of Technical magazine and news letters, etc (5)

(List the publications mentioned along with the names of the editors, publishers etc)

Type of publication	Name of Publication	Editor/s	Year	Frequency
Souvenir	6 th APTI convention	Mr.K.R. Unnikumar	2001	Once
Magazine	NECTAR	Mrs.M.Mohan (English) Mrs.V. R. Soman (Marathi)	2003-04	Annually
Magazine	NECTAR	Mrs.M.Mohan (English)	2004-05	Annually
Magazine	NECTAR	Mrs. V. R. Soman	2005-06	Annually
Magazine	NECTAR	Mrs Rupalli Patil	2006-07	Annually
Magazine	NECTAR	Mrs Rupalli Patil	2007-08	Annually
Magazine	NECTAR	Mrs. S. H. Pawar Mr. R. D. Pathak Mr. B. P. Wagh	2013-14	Annually
Magazine	NECTAR	Mrs S. H. Pawar Mr.B.P. Wagh	2015-16	Annually
Proceedings	Two day National level seminar on Recent Trends	Dr. M. Mohan	2015-16	Once

	in Pharmacology			
Magazine	NECTAR	Mrs. S. H. Pawar Mr. A. R. Patil	2016-17	Annually
Proceedings	Two day National Level Conference on –Current trends, development and advancement in drug delivery system	Dr. R.R. Karmarkar	2017-18	Once
Magazine	NECTAR	Mrs. S. H. Pawar	2017-18	Annually
Magazine	NECTAR	Dr. M. A. Tayde	2018-19	Annually
Magazine	NECTAR- “Digital Intelligence”	Prof. K.V.Bhambar Prof. V.D. Rakibe	2019-20	Annually
Proceedings	Two day International conference on –Challenges and future perspectives in pharmaceutical Sciences	Dr. R. R. Karmarkar	2019-20	Once
Magazine	NECTAR- “Safe and Effective Medicine For All”	Prof. K.V.Bhambar Prof. V.D. Rakibe	2020-21	Annually
Magazine	NECTAR- ‘Pharmacy: Frontline Health profession in pandemic-Covid 19	Prof. K.V.Bhambar Prof. V.D. Rakibe	2021-22	In Process

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

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

CAYm1(2019-20)				
Name of student	Event	Activity	Organised by	Awards
Mehara Nisha	NPW	Singing Group	IPA, Nashik	Participated
Pawar Ashwini	NPW	Singing Group	IPA, Nashik	Participated
Akanksha Kandhwe	NPW	Group Dance	IPA,Nashik	First prize
Akanksha Kandhwe	NPW	Girls cricket tournament	IPA, Nashik	Participated
Rikesh Shroff	NPW	Group Dance	IPA,Nashik	First prize
Akanksha More	NPW	Group Dance	IPA,Nashik	Participated
Prasad Borse	NPW	Volley ball competition	IPA, Nashik	Participated
Shekhar shinde	NPW	Skit competition	IPA,Nashik	Participated
Jadhav abhishek	NPW	Oral scientific presentation	IPA, Nashik	Participated
Tushar Tarle	NPW	Swimming competition	IPA, Nashik	First prize
B.pharm & M.pharm students 1) Prajakta Gaikwad 2) Shivani Solanki 3) Rutuja Ahire 4)Shital Valte 5) Akanksha Khandwe 6) Rikesh Shroff	NPW	Group dance	IPA, Nashik	First prize
Pavan Ahire	NPW	Problem solving	IPA, Nashik	Runner Up
Jadhav Abhishek Sampatrao	Covid 19 awareness program	Covid 19 awareness program	Organised by National service scheme & Shiv Sahayata disaster Management centre,	Participated

			Shivaji university, Kolhapur	
CAYm(2020-21)				
Gharate Twinkle	Webinar on role of artificial intelligence and machine learning in drug discovery process	Webinar	MGV and SPH college	Participated
Dr. Daksha. L. Attarde (Staff Mentor) 1) Khairnar Abhijeet 2) Jadhav Abhishek 3) Jagdale Rushikesh 4) Sarthak Jadhav (T.Y.B.Pharm students)	AICTE Regional level Chhatra Vishwakarma Awards 2020-“Promote micro small and medium enterprises to achieve the mission of Atmanirbhar Bharat”	Effective ways for reuse of PPE	AICTE	Participated
Gaurav Dhumal	Harvard Medical school	Covid 19 and medical homes	Harvard Medical school	Participated
Akanksha Shantaram Shinde	Center for Innovation, Incubation Enterprise	Hackathon Competition	Center for Innovation, Incubation Enterprise	Participated/1st Winner(Seed amt 3 lacs)/ Patent published

CAY (2021-22)

Shekhar Shinde	National Level Pharmacovigilance week	Flyer competition	D.Y.Patil, Pimpri	Participated
Shekhar Shinde	National level Pharmacovigilance week	Quiz competition	D.Y.Patil, Pimpri	Participated
Pagar Dhanashree	Nashik district zonal sport committee	Athletic(Long Jump)s	Inter college sport	First
Pagar Dhanashree	Nashik district zonal sport committee	Athletics (Triple Jump)	Inter college sport	First
Pagar Dhanashree	Nashik district zonal sport committee -	Athletics	Pune District Zonal Committee	Participated

Akanksha Shinde	MGV- IPT College of Pharmacy Nashik	Sport awareness quiz	MGV- IPT College of Pharmacy Nashik	Participated
Vaishnavi Sonawane	NIDA Clinical Trials Network	Good clinical practice course	NIDA clinical coordinating centre	Participated
Vaishnavi Sonawane	National workshop on Pharmacovigilance	National level Pharmacovigilance Week 2021	Dr. D. Y. Patil Institute of pharmaceutical sciences and research, Pimpri, Pune	Participated
1)Gaikwad Niyati 2)Ashwini Giridhar Pawar 3)Nisha Subhash Mehra 4)Harshdeep Sharad Pund 5)Chinmayee Yashodhar Joshi 6)Khushi Yogesh Deore	MGV- IPT College of Pharmacy, Nashik	Sports Awareness Quiz 2021	MGV- IPT College of Pharmacy Nashik	Participated
Mansi Yeole	ACS Center for lab safety	Foundations of Chemical Safety and Risk Management for Chemistry Students	ACS Institute (American Chemical Society)	Participated
Prajwal Shinde	YOUTH SUMMIT-22	Youth Inspirators network- Organised professional activities	Sakal Media Group, Maharashtra	Felicitated by VC, MUHS and

Sr.No	Assessment Parameters	Marks	
		Prescribed	Institute
4	Students' Performance		
4.1	Enrolment Ratio	20	20
4.2	Success Rate in the stipulated period of the program (50)		
4.2.1	Success rate without backlogs in any year of study	30	23.1
4.2.2	Success rate with backlog in stipulated period of study	20	15.4
4.3	Academic Performance in Final Year	10	7.7
4.4	Academic Performance in Third Year	10	7.5
4.5	Academic Performance in Second Year	10	7.5
4.6	Academic Performance in First Year	20	15.2
4.7	Placement and Higher Studies(40)	40	31.2
4.8	Professional Activities		
4.8.1	Professional societies/chapters and organizing pharmacy events	05	05
4.8.2	Publication of Technical magazine and news letters, etc	05	05
4.8.3	Participation in inter-institute events by students of the Program of study	10	10
	Total	180	147.6=148

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

(List of Faculty Members: Exclusively for the Program/shared with other Programs)

Institute is having experienced faculty with average experience ≥ 15 yrs.

Majority of teaching faculties are also engaged in research (sponsored by different funding agencies) and are upgraded with current trends in pharmacy.

CAY: Current Assessment Year(2021-22), CAYm1: Current Assessment Year minus 1(2020-21), CAYm2: Current Assessment Year minus 2(2019-20)

Assessment year: 2021-22(CAY)

Sr.No.	Name of the Faculty Member	Qualification			Association with the Institution	Designation	Date of Joining the Institution	Department	Specialization	Academic Research			Sponsored Research (Funded 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		
01	Dr Rajendra Sudhakar Bhambar	Ph.D.	RSTM University, Nagpur	2005	Regular	Principal/ Professor	10/8/2018	Pharma-cognosy	Pharma-cognosy	5	8	--	--	--
02	Dr. Sunil	Ph.D.	NMU,	2013	Regular	Prof.	20/10/2003	Pharma-	Pharma-	2	4	--	--	--

	Kashinath Mahajan		Jalgaon					chemistry	chemistr y					
03	Dr.Mahalaxmi Mohan	Ph.D.	MS University, Baroda	2007	Regular	Prof.	14/07/2015	Pharma- cology	Pharma- cology	--	4	--	AIC TE	--
04	Dr. Ambadas Rangnath Rote	Ph.D.	SPPU, Pune	2018	Regular	Prof.	01/12/1998	Pharma- chemistry	Pharma- chemistr y	1	--	--	--	--
05	Dr. Jitendra Yadav Nehete	Ph.D.	Shivaji University, Kolhapur	2010	Regular	Asso. Prof.	05/08/2008	Pharma- cognosy	Pharma- cognosy	4	3	--	--	--
06	Dr. Ritesh Ramesh Karmarkar	Ph.D.	Hamdard University, New Delhi	2007	Regular	Asso. Prof.	01/08/2011	Pharma- ceutics	Pharma- ceutics	--	4	--	--	--
07	Dr.Tushar Narendra Lokhande	Ph.D.	University of Mumbai	2007	Regular	Asso. Prof.	03/08/2012	Pharma- chemistry	Pharma- chemistr y	2	4	--	--	1 PP
08	Dr.Mrs. Daksha Lalit Attarde.	Ph.D.	SPPU, Pune	2018	Regular	Asst. Prof.	20/06/2005	Pharma- cognosy	Pharma- cognosy	3	--	--	--	--
09	Dr. Pankaj Shahajirao Patil	Ph.D.	TNDrMG R Medical University, Chennai	2013	Regular	Asso. Prof.	22/01/2018	Pharma- cology	Pharma- cology	2	--	--	--	--
10	Dr.Mrs. Suvarna Abhijit Katti	Ph.D.	SPPU, Pune	2018	Regular	Asst. Prof.	01/12/2006	Pharma- chemistry	Pharma- chemistr y	6	--	--	--	--
11	Mr. Bhushan	M.Pharm	Annamalai University,	2007	Regular	Asst. Prof.	19/11/2008	Pharma- ceutics	Pharma- ceutics	--	--	--	--	--

	Panditrao Wagh		Chennai											
12	Dr. Ashish Yashwantrao Pawar	Ph.D.	Shri JYT University, Rajasthan	2012	Regular	Asso. Prof.	12/10/2010	Pharmaceutics	Pharmaceutics	3	2	--	--	1 PP
13	Mr. Ravindra Dattaray Pathak	B.Sc, MCA	IGNOU, Nashik	1993	Regular	Sr. Lect. (Sl.Gr)	08/08/1993	Computer	Computer	--	--	--	--	--
14	Mrs. Shubhangi Hemraj Pawar	M.Pharm	SPPU, Pune	2009	Regular	Asst. Prof.	01/08/2011	Pharmacology	Pharmacology	--	--	--	--	--
15	Mrs. Anuja Prabhakar Bhosale	M.Pharm	SPPU, Pune	2010	Regular	Asst. Prof.	04/12/2012	Pharmaceuticals	Pharmaceuticals	1	--	--	--	--
16	Mrs. Vrushali Ramesh Jadhav	M.Pharm	SPPU, Pune	2010	Regular	Asst. Prof.	12/03/2013	Pharmaceutics	Pharmaceutics	--	--	--	--	--
17	Dr. Kunal Vilas Bhambar	Ph.D.	RSTM University, Nagpur	2008	Regular	Asso. Prof.	21/08/2019	Quality Assurance	Quality Assurance	2	--	Y	--	--
18	Mrs. Vaishali Dnyaneshwar Rakibe	M.Pharm	SPPU, Pune	1997	Regular	Asst. Prof.	22/07/2019	Pharmaceuticals	Pharmaceuticals	--	--	--	--	--
19	Miss. Shital Janardhan Patil	M.Pharm	SPPU, Pune	2015	Regular	Asst. Prof.	07/08/2019	Pharmaceuticals	Pharmaceuticals	2	--	--	--	--
20	Mr. Khushal Balu	M.Pharm	SPPU, Pune	2017	Regular	Asst. Prof.	01/01/2021	Pharmacology	Pharmacology	--	--	--	--	--

	Chaudhari													
21	Mr. Santosh Eknath Akade	M.Pharm	SPPU, Pune	1990	Regular	Asst. Prof.	27/01/2021	Quality Assurance	Pharmaceuticals	--	--	--	--	--
22	Miss. Bhumika Ravindra Gupta	M.Pharm	SPPU, Pune	2017	Regular	Asst. Prof.	27/01/2021	Pharmacognosy	Pharmacognosy	--	--	--	--	--
23	Mr. Pravin Pandharinath Gadakh	M.Pharm	SPPU, Pune	2008	Regular	Asst. Prof.	27/01/2021	Pharmaceuticals	Pharmaceuticals	2	--	--	--	--
24	Miss. Yogita Balasaheb Thombare	M.Pharm	SPPU, Pune	2016	Regular	Asst. Prof.	15/06/2021	Pharmaceuticals	Pharmaceuticals	--	--	--	--	--
25	Mr. Sandip Sukdeo Lavande	B.E.	SPPU, Pune	--	Visiting	Asst. Prof.	12/12/2020	Maths	Maths	--	--	--	--	--
26	Mrs Roshani Satish Gujrathi	M.P.Ed.	SPPU, Pune	--	Visiting	Asst. Prof.	01/04/2021	Sport	Sport	1	--	--	--	--

Assessment year: 2020-21(CAYm1)

Sr.No.	Name of the Faculty Member	Qualification			Association with the Institution	Designation	Date of Joining the Institution	Department	Specialization	Academic Research			Sponsored Research (Funded 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		
01	Dr Rajendra Sudhakar Bhambar	Ph.D.	RSTM University, Nagpur	2005	Regular	Principal/ Professor	10/8/2018	Pharmacognosy	Pharmacognosy	3	7	--	--	--
02	Dr. Sunil Kashinath Mahajan	Ph.D.	NMU, Jalgoan	2013	Regular	Prof.	20/10/2003	Pharmaceutical chemistry	Pharmaceutical chemistry	1	3	--	--	NC P
03	Dr.Mahalaxmi Mohan	Ph.D.	MS University, Baroda	2007	Regular	Prof.	14/07/2015	Pharmacology	Pharmacology	4	1	--	AICTE	SK B
04	Dr. Ambadas Rangnath Rote	Ph.D.	SPPU, Pune	2018	Regular	Prof.	01/12/1998	Pharmaceutical chemistry	Pharmaceutical chemistry	3	--	--	--	--
05	Dr. Jitendra Yadav Nehete	Ph.D.	Shivaji University, Kolhapur	2010	Regular	Asso. Prof.	05/08/2008	Pharmacognosy	Pharmacognosy	1	2	--	--	--
06	Dr. Ritesh	Ph.D.	Hamdard	2007	Regular	Asso.	01/08/2011	Pharma-	Pharma-	1	1	--	--	--

	Ramesh Karmarkar		University, New Delhi			Prof.		ceutics	ceutics					
07	Dr.Tushar Narendra Lokhande	Ph.D.	University of Mumbai	2007	Regular	Asso. Prof.	03/08/2012	Pharma-chemistry	Pharma-chemistry	2	2	--	--	--
08	Dr.Mrs. Daksha Lalit Attarde.	Ph.D.	SPPU, Pune	2018	Regular	Asst. Prof.	20/06/2005	Pharma-cognosy	Pharma-cognosy	4	--	--	--	--
09	Dr. Pankaj Shahajirao Patil	Ph.D.	TNDrmG R Medical University, Chennai	2013	Regular	Asso. Prof.	22/01/2018	Pharma-cology	Pharma-cology	2	--	--	--	InB io
10	Dr.Mrs. Suvarna Abhijit Katti	Ph.D.	SPPU, Pune	2018	Regular	Asst. Prof.	01/12/2006	Pharma-chemistry	Pharma-chemistry	3	--	--	--	NC P
11	Mr. Bhushan Panditrao Wagh	M.Pharm	Annmalai University, Chennai	2007	Regular	Asst. Prof.	19/11/2008	Pharma-ceutics	Pharma-ceutics	1	--	--	--	--
12	Dr. Ashish Yashwantrao Pawar	Ph.D.	Shri JYT University, Rajasthan	2012	Regular	Asso. Prof.	12/10/2010	Pharma-ceutics	Pharma-ceutics	1	2	--	--	--
13	Mr. Ravindra Dattaray Pathak	B.Sc,MCA	IGNOU, Nashik	1993	Regular	Sr. Lect. (Sl.Gr)	08/08/1993	Computer	Computer	--	--	--	--	--
14	Mrs. Shubhangi Hemraj Pawar	M.Pharm	SPPU, Pune	2009	Regular	Asst. Prof.	01/08/2011	Pharma-cology	Pharma-cology	4	--	--	--	--

15	Mrs. Anuja Prabhakar Bhosale	M.Pharm	SPPU, Pune	2010	Regular	Asst. Prof.	04/12/2012	Pharmaceutical Chemistry	Pharmaceutical Chemistry	2	--	--	--	--
16	Mrs. Vrushali Ramesh Jadhav	M.Pharm	SPPU, Pune	2010	Regular	Asst. Prof.	12/03/2013	Pharmaceuticals	Pharmaceuticals	--	--	--	- SPPU	--
17	Mr. Kunal Vilas Bhambar	M.Pharm	SPPU, Pune	2008	Regular	Asso. Prof.	21/08/2019	Quality Assurance	Quality Assurance	1	--	--	--	--
18	Mrs. Vaishali Dnyaneshwar Rakibe	M.Pharm	SPPU, Pune	1997	Regular	Asst. Prof.	22/07/2019	Pharmaceutical Chemistry	Pharmaceutical Chemistry	2	--	--	--	--
19	Miss. Shital Janardhan Patil	M.Pharm	SPPU, Pune	2015	Regular	Asst. Prof.	07/08/2019	Pharmaceutical Chemistry	Pharmaceutical Chemistry	--	--	--	--	--
20	Mr. Khushal Balu Chaudhari	M.Pharm	SPPU, Pune	2017	Regular	Asst. Prof.	01/01/2021	Pharmacology	Pharmacology	2	--	--	--	--
21	Mr. Santosh Eknath Akade	M.Pharm	SPPU, Pune	1990	Visiting	Asst. Prof.	30/08/2019	Quality Assurance	Pharmaceutical Chemistry	--	--	--	--	--

TableB.5

Assessment Year: 2019-20 (CAYm2)

Sr.No.	Name of the Faculty Member	Qualification			Association with the Institution	Designation	Date of Joining the Institution	Department	Specialization	Academic Research			Sponsored Research (Funded 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		
01	Dr Rajendra Sudhakar Bhambar	Ph.D.	RSTM University, Nagpur	2005	Regular	Principal/ Professor	10/8/2018	Pharmacognosy	Pharmacognosy	5	6	--	--	--
02	Dr. Sunil Kashinath Mahajan	Ph.D.	NMU, Jalgoan	2013	Regular	Prof.	20/10/2003	Pharmachemistry	Pharmachemistry	1	3	--	--	--
03	Dr.Mahalaxmi Mohan	Ph.D.	MS University, Baroda	2007	Regular	Prof.	14/07/2015	Pharmacology	Pharmacology	8	--	--	--	2 (SK B/ AS V)
04	Dr. Ambadas Ranganath Rote	Ph.D.	SPPU, Pune	2018	Regular	Prof.	01/12/1998	Pharmachemistry	Pharmachemistry	1	--	--	--	--
05	Dr. Jitendra Yadav	Ph.D.	Shivaji University,	2010	Regular	Asso. Prof.	05/08/2008	Pharmacognosy	Pharmacognosy	--	1	--	--	--

	Nehete		Kolhapur											
06	Dr. Ritesh Ramesh Karmarkar	Ph.D.	Hamdard University, New Delhi	2007	Regular	Asso. Prof.	01/08/2011	Pharmaceutics	Pharmaceutics	--	--	--	--	--
07	Dr. Tushar Narendra Lokhande	Ph.D.	University of Mumbai	2007	Regular	Asso. Prof.	03/08/2012	Pharmachemistry	Pharmachemistry	2	2	--	--	--
08	Dr. Mrs. Daksha Lalit Attarde.	Ph.D.	SPPU, Pune	2018	Regular	Asst. Prof.	20/06/2005	Pharmacognosy	Pharmacognosy	1	--	--	--	--
09	Dr. Pankaj Shahajirao Patil	Ph.D.	TNDRMG R Medical University, Chennai	2013	Regular	Asso. Prof.	22/01/2018	Pharmacology	Pharmacology	1	--	--	--	--
10	Dr. Mrs. Suvarna Abhijit Katti	Ph.D.	SPPU, Pune	2018	Regular	Asst. Prof.	01/12/2006	Pharmachemistry	Pharmachemistry	1	--	--	--	--
11	Mr. Bhushan Panditrao Wagh	M. Pharm	Annamalai University, Chennai	2007	Regular	Asst. Prof.	19/11/2008	Pharmaceutics	Pharmaceutics	--	--	--	--	--
12	Dr. Ashish Yashwantrao Pawar	Ph.D.	Shri Jyoti University, Rajasthan	2012	Regular	Asso. Prof.	12/10/2010	Pharmaceutics	Pharmaceutics	1	2	--	--	--
13	Dr. Mrs. Manisha Ashwin Tayade	Ph.D.	JNTU, Hyderabad	2016	Regular	Asst. Prof.	05/09/2006	Pharmachemistry	Pharmachemistry	--	--	--	--	--
14	Mr. Kiran Bhausaheb	M. Pharm	Nagpur University	2001	Regular	Asst. Prof.	18/05/2009	Quality Assurance	Quality Assurance	--	--	--	--	--

	Erande		Nagpur					e	e					
15	Mr. Ravindra Dattaray Pathak	B.Sc,M CA	IGNOU, Nashik	1993	Regular	Sr. Lect. (Sl.Gr)	08/08/1993	Computer	Computer	--	--	--	--	--
16	Mrs. Shubhangi Hemraj Pawar	M.Pharm	SPPU, Pune	2009	Regular	Asst. Prof.	01/08/2011	Pharmacology	Pharmacology	1	--	--	--	--
17	Mrs. Anuja Prabhakar Bhosale	M.Pharm	SPPU, Pune	2010	Regular	Asst. Prof.	04/12/2012	Pharmaceuticals	Pharmaceuticals	1	--	--	--	--
18	Mrs. Vrushi Ramesh Jadhav	M.Pharm	SPPU, Pune	2010	Regular	Asst. Prof.	12/03/2013	Pharmaceuticals	Pharmaceuticals	--	--	--	SPPU	--
19	Mr. Kunal Vilas Bhambar	M.Pharm	SPPU Pune	2008	Regular	Asso. Prof	21/08/2019	Quality Assurance	Quality Assurance	1	--	--	--	--
20	Mrs. Vaishali Dnyaneshwar Rakibe	M.Pharm	SPPU, Pune	1997	Regular	Asst. Prof.	22/07/2019	Pharmaceuticals	Pharmaceuticals	--	--	--	--	--
21	Miss. Shital Janardhan Patil	M.Pharm	SPPU, Pune	2015	Visiting	Asst. Prof.	07/08/2019	Pharmaceuticals	Pharmaceuticals	--	--	--	--	--
22	Mr. Santosh Eknath Akade	M.Pharm	SPPU, Pune	1990	Visiting	Asst. Prof.	30/08/2019	Quality Assurance	Pharmaceuticals	--	--	--	--	--

Table B.5

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

5.1. Student Faculty Ratio (SFR) (20)*(No of Faculty as per the sanctioned intake):-*

No. of U.G. Programs in the Department (n) : 01

No. of P.G. Programs in the Department (m) : 05

No. of Students in UG 1st year = **u1**No. of Students in UG 2nd year = **u2**No. of Students in UG 3rd year = **u3**No. of Students in UG 4th year = **u4**No. of Students in PG 1st year = **p1**No. of Students in PG 2nd year = **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 + PG 2**F=** Total Number of Regular Faculty Members in the Department**Student Faculty Ratio (SFR) = S/F**

Year	CAY (21-22)	CAYm1(20-21)	CAYm2 (19-20)
U1.1	100	100	60
U1.2	110	70	66
U1.3	66	66	66
U1.4	66	66	66
UG 1	U1.1+ U1.2+ U1.3+ U1.4= 342	U1.1+ U1.2+ U1.3+ U1.4= 302	U1.1+ U1.2+ U1.3+ U1.4= 258
P 1.1	53	53	53
P 1.2	53	53	53
PG 1	P 1.1+ P 1.2 = 106	P 1.1+ P 1.2 =106	P 1.1+ P 1.2=106
.....			
Pm.1.1.1 (M.Pharm Pharmaceutics)	10	10	10
Pm1.1.2 (M.Pharm Pharmachemistry)	10	10	10
Pm1.1.3 (M.Pharm Pharmacology)	10	10	10
Pm1.1.4 (M.Pharm Pharmacognosy)	08	08	08
Pm1.1.5 (M.Pharm –QAT)	15	15	15
Pm.1.2.1 (M.Pharm Pharmaceutics)	10	10	10
Pm1.2.2 (M.Pharm Pharmachemistry)	10	10	10

Pm1.2.3 (M.Pharm Pharmacology)	10	10	10
Pm1.2.4 (M.Pharm Pharmacognosy)	08	08	08
Pm1.2.5 (M.Pharm –QAT)	15	15	15
PGm	[(Pm1.1.1+Pm1.1.2 +Pm1.1.3+Pm1.1.4+P m1.1.5)+ (Pm1.2.1+Pm1.2.2 +Pm1.2.3+Pm1.2.4+P m1.2.5)]= 53+53= 106	[(Pm1.1.1+Pm1.1.2 +Pm1.1.3+Pm1.1.4+P m1.1.5)+ (Pm1.2.1+Pm1.2.2 +Pm1.2.3+Pm1.2.4+P m1.2.5)]=53+53 = 106	[(Pm1.1.1+Pm1.1.2 +Pm1.1.3+Pm1.1.4+P m1.1.5)+ (Pm1.2.1+Pm1.2.2 +Pm1.2.3+Pm1.2.4+P m1.2.5)]=53 +53 = 106
Total Number of Students in the Department (s)	UG1 +PG1 = S1 342+106 = 448	UG1 +PG1 = S2 302+ 106= 408	UG1 +PG1 = S3 258+ 106 = 364
No.of Faculty in the Department (F)	F1= 26	F2 = 21	F3 = 22
Students Faculty Ration (SFR)	SFR1 = S1/F1 = 17.23	SFR2 = S2/F2 = 19.43	SFR3 = S3/F3 = 16.55
Average SFR	SFR=(SFR1+SFR2+SFR3)/3 = 17.73		

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 - 20 marks

15.51 - 16.50 – 18 marks

16.51 - 17.50 - 16 marks

17.51 – 18.50 - 14 marks

18.51 – 19.50 - 12 marks

19.51 – 20.00 - 10 marks

Note :

Minimum 75 % should be regular/full time faculty and the remaining shall be Contractual Faculty/ Adjunct Faculty/ Resource persons from industry 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 will be considered for the purpose of calculation in the student faculty ratio.

5.2 Faculty Cadre Proportion (20)

The reference Faculty cadre proportion is 1(F1):2(F2):6(F3)

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

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

F3: Number of Assistant Professors required = $6/9 \times$ 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	2	4	4	6	12	16
CAYm1	2	4	4	5	13	12
CAYm2	2	4	4	5	11	13
Average Numbers	RF1= 2	AF1= 4	RF2= 4	AF2= 5.33	RF3= 12	AF3= 13.7

Cadre Proportion: 1(F1): 2(F2):6(F3)

Average Faculty Cadre Proportion: 1(1.66): 2(4.66):6(16.66)

Cadre Proportion marks= $[(AF1/RF1)+[AF2/RF2 \times 0.6]+[AF3/RF3 \times 0.4]] \times 10$

= $[(4/2) + [5.33/4 \times 0.6] + [13.7/12 \times 0.4]] \times 10$

= $[2 + 0.798 + 0.564] \times 10$

= 3.362×10

= 33.62

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

5.3. Faculty Qualification (20)

$FQ = 2 \times (10X + 4Y)/F$ 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	$FQ = 2 \times [(10X + 4Y)/F]$
CAY	12	11	17.23	$FQ = 2 \times [(10 \times 12 + 4 \times 11)/17.23] = 19.04$
CAYm1	11	09	19.43	$FQ = 2 \times [(10 \times 11 + 4 \times 09)/19.43] = 15.04$
CAYm2	12	09	16.55	$FQ = 2 \times [(10 \times 12 + 4 \times 09)/16.55] = 18.84$
Average Assessment:				17.64

5.4 Faculty Retention(20)

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

Three faculty members have left-

- **Dr. M. A. Tayade and Mr. K. R. Jadhav were left the institute**
- **Mr. K. B. Erande was transferred to Malegaon (MGV'S SPH College of Pharmacy)**

$$t=(17/20)*100= 85\%$$

>= 75% of required Faculty members retained during the period of assessment keeping 2018-19 (CAYm3) as base year.

Current Academic year	Marks
2021-22	85% of required Faculty members retained during the period of assessment keeping 2018-19 (CAY m3) as base year (16)

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

Innovations by the Faculty in teaching and learning shall be summarized as per the following description.

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 appropriate methods, significance of results, effective presentation and reflective critique.

In order to make the teaching learning activities student centric, interactive and interesting, ICT'S and participatory learning activities are adopted by the faculty that contributes to holistic development and improved student learning ,besides facilitating life-long learning and knowledge management. The common practices undertaken are listed below:

- Students are motivated to refer exhaustive literature by using e-books and e-journals. Multimedia elements such as power point presentations, projectors, videos, and online tests have been used. Demonstration using models, charts, puzzles, flash cards, flow charts, innovative visual aids, innovative journal covers are being practiced.
- Notices, Assignments are communicated to the students via social networking applications thereby making communication very prompt.
- The conventional teaching method of 'chalk and talk' is *accompanied with* LCD - based classroom teaching. This allows more scope and time for interaction with students, rather than developing the concepts on the blackboard. Open educational

resources, Virtual Labs are also being used in digital formats such as PPT, PDF, Video etc.

- The students are trained with information system based interactions using the software of chemistry (V Life software) and simulation software on pharmacology experiments (X-Cology, X-Pharm).
- The Internet facility is provided to staff and students through LAN networking. Separate faculty is appointed for computer teaching.
- The computer facility is made available to the faculties as well as students for computer aided teaching and learning process.
- Guest lecturers of experts from respective fields, field visits, industrial visits, hospital visits, and surveys are arranged to update knowledge of students as per current status. National level, state level conferences and seminars (SPPU sponsored) are arranged by the college from time to time to provide recent updates to students.
- Every student can study & use different word processor, spread sheet & presentation softwares.
- Motivating creativity amongst students to participate in model/chart/puzzle making competition thus reflecting their innovativeness.
- Faculty enrichment through-AICTE-ATAL, NPTEL and MOOC online programs.
- During online COVID pandemic, the practicals (experiments) were dealt in a way that would make the students easier to grasp. Virtual labs/ softwares/ you tube videos/ videos prepared in laboratory were used to deliver the practical principles and procedures to students.
- Links of the audio visual records were made available for the students through college website. Additionally various methods were adopted by the faculty members for teaching learning such as Gamification tools e.g. Sweet potatoes, socrative, testmoz etc.

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

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

Faculty members actively participate in various workshops and faculty development programs

Name of the Faculty	Max 5 per faculty		
	CAY (2021-22)	CAYm1 (2020-21)	CAYm2 (2019-20)
Dr. S.K. Mahajan	03 (1)	03 (1)	--
Dr. M. Mohan	05 (2)	05 (3)	05(4)
Dr. J. Y. Nehete	05(2)	05 (1)	--
Dr. A.R. Rote	--	05 (2)	--
Mrs. V.D. Rakibe	03(1)	05 (1)	05(1)
Dr. T.N.Lokhande	05 (3)	03 (2)	--
Dr. D.L. Attarde	03(1)	05 (3)	03(1)
Dr. M.A. Tayde	--	--	--
Dr.S.A.Katti	03(1)	05(3)	05(1)
Mr. B. P. Wagh	03(2)	03(1)	03(1)
Ms.V.V.Bhaisane	03(2)		
Mr. K.B.Erande	--	--	--
Dr. A.Y. Pawar	--	--	05(1)
Mr R.D.Pathak	03(2)	--	--
Ms A.P.Bhosale	05(2)	03(1)	05(1)
Dr.K.V.Bhmbhar	03(2)	--	--
Ms V.R. Jadhav	03(1)	05(1)	05(1)
Dr. P. S. Patil	03(1)	05(2)	05(2)
Ms. S.H. Pawar	05(2)	05(4)	05(5)
Ms. S. J. Patil	03(1)	05(1)	--
Mr. K. B. Chaudhari	05(2)	05(3)	--
Mr.P.P.Gadakh	03(1)	--	--
Ms. B. R. Gupta	03(1)	--	--
Ms.R.S.Gujrathi	03(1)	--	--
Sum	72	67	46
RF = Number of Faculty required to comply with 15:1 Student-Faculty ratio as per 5.1	17.23	19.43	16.55
Assessment = $3 \times \text{Sum}/(0.5 \text{ RF})$	25.09	20.70	16.69
Average	62.48/3 = 20.83		

**Staff attending Workshops/Faculty Development Programme/Training Activity
For Year 2021-22**

Sr. No	Name Of Faculty	Workshop/FDP /Training Activity attended	Sponsor, Organizer and Place	Start Date	End date
1.	Dr.S.K.Mahajan	Five days AICTE Incorporating Universal Human values in Education	AICTE	6./9/2021	10/9/2021
2.	Dr. Mahalaxmi Mohan	FDP on Advanced Concepts of Outcome -Based Education	Inpods	4/4 /2022	8 /4/ 2022
3.	Dr. Mahalaxmi Mohan	FDP on Leadership & Excellence	Bharati Vidyapeeths Poona College of Pharmacy	11/1/2021	15/1/2021
4.	Dr.Mahalaxmi Mohan	Five Day ATAL-FDP: NEP 2020: Managing change in organisations	Govt College of Pharmacy, Karad	23/8/ 2021	27/8/ 2021
5.	Dr. J.Y.Nehete	"NEP 2020: Managing Change in Organisations"	Government College of Pharmacy, Karad.	20/9/2021	24/9/2021
6.	Dr. J.Y.Nehete	Innovation in effective learning ,pedagogy and research skill development	P.E.Society's Modern college of Pharmacy	17/3/2021	23/3/2021
7.	Dr.T.N.Lokhande	NEP 2020:Implementation for Quality Education	Makhanlal Chaturvedi National university of Journalism & communication Bhopal ,Online	13/09/2021	17/09/2021
8.	Dr.T.N.Lokhande	Artificial Intelligence in Drug Repurposing and Poly pharmacology	Seven Hills College of Pharmacy,online	20/9/2021	24/9/2021
9.	Dr.T.N.Lokhande	Advances in pharmaceutical research: A journey from academics to industry	Government College of Pharmacy, Aurangabad	14/6/2021	19/6/2021
10.	Dr.D.L.Attarde	"NEP 2020: Managing Change	Government College of	20/9/21	24/9/21

		in Organisations"	Pharmacy, Karad.		
11.	Dr.S.A.Katti	Faculty Development Programme on New Edge educational standard for Teachers	METS Institute of Pharmacy	14/2/2022	18/2/22
12.	Mr.B.P.Wagh	"NEP 2020: Managing Change in Organisations"	Government College of Pharmacy, Karad.	20/9/2021	24/9/2021
13.	Mr.B.P.Wagh	Emerging trends in Drug Engineering	Prin. K.M.Kundnani college of Pharmacy	30/8/2021	03/09/2021
14.	Mrs.V.D.Rakibe	AICTE ATAL FDP - Innovation , Startup and Entrepreneurship management	AISSMS college of Pharmacy	13/9/2021	17/09/2021
15.	Mr.K.V.Bhambar	Innovation ,Startup and Entrepreneurship Management	AISSMS college of Pharmacy	13/9/2021	17/09/2021
16.	Mr.K.V.Bhambar	Effective OBE implimentation using learning management system	Government Plytechnic Jalgaon	27/07/2021	31/7/2021
17.	Mr.R.D.Pathak	Artificial Intelligence	University college of Engineering and	20/9/2021	24/9/2021
18.	Mr.R.D.Pathak	COMPUTER AND BIOLOGICAL SCIENCE	ICT MUMBAI	30/8/2021	3/9/2021
19.	Mrs.A.P.Bhosale	Emerging trends in Drug Engineering	Prin. K.M.Kundnani college of Pharmacy	30/8/2021	03/09/2021
20.	Mrs.A.P.Bhosale	Educational programme for Pharmacy teachers on orientation of recently admitted students	Rajshri shahu college of Pharmacy	9/8/2021	14/8/2021
21.	Mrs. V.R.Jadhav	NEP 2020 Sustaining Change in Organizations	AICTE Training and learning (ATAL) Academy	20/9/2021	24/9/2021
22.	Dr.P.S.Patil	Effective OBE	AICTE Training	27/7/2021	31/7/2021

		Implementation using Learning Management System	and learning (ATAL) Academy		
23.	Mrs.S.H.Pawar	One week STTP on Educational program for pharmacy teacher on orientation of recently admitted students	RSCP Buldhana	01/6/2021	07/6/2021
24.	Mrs.S.H.Pawar	Immunology	AICTE, Swayam	7/2021	10/ 2021
25.	Ms.S.J.Patil	Emerging trends in Drug Engineering	K.M.Kundnani Pharmacy College Mumbai	30/8/2021	3/9/2021
26.	Mr.k.B.Chaudhari	Emerging Trends and Alternatives in Pharmacological Research	UGC Networking Resource Centre	14 /2/ 2022	19 /2/ 2022
27.	Mr.k.B.Chaudhari	“Organizational Behaviour: Leadership & Excellence”	Organized by NIPER Hyderabad, Funded by ATAL Academy: Sep 13-17, 2021	13 /9/ 2021	17 /9 2021
28.	Mr.P.P.Gadakh	Insight to US Baldrige education performance excellence framework	BVVS polytechnic Baglkot	2/8/2021	6/8/2021
29.	Miss.B.R.Gupta	Effective OBE Implementation using Learning Management system	Government Polytechnic Jalgaon	27/7/2021	31/7/2021
30.	Mrs.R.Gujarathi	FDP-Industry Institute Interaction- A Holistic Approach Insight out	SRM Institute of science and Technology	1/6/2021	14/6/2021
		Workshop- Art of Living	Savitribai Phule Pune University	21/7/2021	23/7/2021

**Staff attending Workshops/Faculty Development Programme/Training Activity
For Year 2020-21**

Sr. No.	Name Of Faculty	Workshop/FDP /Training Activity attended	Sponsor, Organizer and Place	Start Date	End Date
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1.	Dr.S.K.Mahajan	Evolution in teaching, guiding values in learning and social understanding through research	Dr.Sir M.S.Gosavi &IPA	15/9/2020	19/9/2020
2.	Dr.A.R.Rote	AICTE Sponsored Short Term Training Programme on Human Value, Ethics, Moral, Behavioral Science and Attitude	AICTE New Delhi	24/8/2020	29/08/2020
3.	Dr.Mahalaxmi Mohan	Creating Tech Savy Teachers for future classroom	Edfly Learn	6/6/2020	10/6/2020
4.	Dr. Mahalaxmi Mohan	e FDP-Sustainable e-learning trends in pharmacy education	RIPST, Tripura; IPT, Salipur; DIT Univ, Dehradun	8/8/ 2020	9/8/ 2020
5.	Dr. Mahalaxmi Mohan	FDP on Leadership & Excellence	Bharati Vidyapeeths Poona College of Pharmacy	11/1/2021	15/1/2021
6.	Dr. J.Y.Nehete	Six days short term training programme in innovations in effective teaching learning pedagogy and research skill development	Modern college of Pharmacy, AICTE	17 /3/ 2021	23/3/ 2021
7.	Dr.T.N.Lokhande	Human Values, Ethics, Morals, Behavioural Science and Attitude	Sagar Institute of Research and Technology Pharmacy, Bhopal (MP)	20/7/2020	25/7/2020
8.	Dr.T.N.Lokhande	Building Startup and Innovation Centres	MHRD-HRDC and Savitribai Phule Pune University, Pune	26/10/2020	30/10/2020
9.	Dr. A.Y.Pawar	FDP on innovative tools for online teaching and learning, conducted	by MGVS IMR, NASHIK	3/6/ 2021	3/6/2021
10.	Dr.D.L.Attarde	Effective use of ICT tools in Teaching-Learning (Four week online FDP (MOOC))	Modern College of Pharmacy, pune & APTI	8/6/ 2020	7/7 2021

11.	Dr.D.L.Attarde	Patenting and commercialization of Herbal Products (Short Term- 3 week course)	K.M. Kundanani College of Pharmacy , MumBai & Pharma Literati, Navi Mumbai	17/10/2020	8/11/2020
12.	Dr.D.L.Attarde	Herbal Drug development Technologies	CSIR- & CIMAP, Lucknow	22/2/2021	26/2 2021
13.	Dr.S.A.Katti	Effective use of ICT tools in Teachin-Learning (Four week online FDP (MOOC)	Modern College of Pharmacy, pune & APTI	8/6/2020	7/7/ 2021
14.	Dr.S.A.Katti	Evolution in teaching guiding values in learning and social understanding through research	Sir Dr. MS Gosavi College of Pharmaceutical Education and Research Nasik and IPA	15/9/2021	19/9/2021
15.	Dr.S.A.Katti	Skilling Teachers for online education	Uka Tarsadia University	02/6/2020	06/6/2020
16.	Mr.B.P.Wagh	Virtual Practical Training	MET Institute of Pharmacy	28/7/2020	29/7/2020
17.	Mrs.V.D.Rakibe	FDP on E-content and ICT tools for Innovative and Effective teaching	KS Jain Institute of Engg and Technology Modinagar Ghaziabad	15/7/2020	21/7/2020
18.	Mrs.A.P.Bhosale	4 th global Ayurveda festival virtual conference and International expo	Ministry of Ayush & government of India	12/3/2021	19/3/2021
19.	Mrs. V.R.Jadhav	FDP on E-content and ICT tools for Innovative and Effective teaching	KS Jain Institute of Engg and Technology Modinagar Ghaziabad	15/7/2020	21/7/2020
20.	Dr.P.S.Patil	3 Days Syllabus orientation program	SSDJ College of Pharmacy in association with SPPU Pune	2/7/2020	4/7/2020
21.	Dr.P.S.Patil	The role of Pharmacist in healthcare	Shri Vishnu College of Pharmacy in association with APTI India	29/6//2021	4/7/2020
22.	Mrs.S.H.Pawar	Creating Tech-savy	St. Teresa	6/6 2020	10/6/2020

		teachers for future classrooms	Institute of education, Santacruz, Mumbai in collaboration with Edyfly		
23.	Mrs.S.H.Pawar	Trends in alternatives to biological methods in pharmaceutical studies	AICTE (GCOP Aurangabad)	24/5/2021	29/5/2021
24.	Mrs.S.H.Pawar	Syllabus orientation program of BOS Pharmacology	SSDJ COP Chandwad and SPPU Pune	2/7/ 2020	4/7 2020
25.	Mrs.S.H.Pawar	Herbal remedies for emerging and resistant viral infections	APTI	6/2020	6/ 2020
26.	Ms.S.J.Patil	Introduction to Research	IIT madras	2/2021	4/ 2021
27.	Dr.S.A.Katti	Five days International e-FDP Evolution in teaching, guiding values in learning and social understanding through research	Sir Dr M.S.Gosavi College of Pharmaceutical Education and Research Nashik and IPA	15/9/2020	19/9/2020
28.	Dr.S.A.Katti	Four week FDP,MOOC Effective use of ICT tools in teaching and learning	Modern College of Pharmacy Pune and APTI	8/6/2020	7/7/2020
29.	Dr.S.A.Katti	Faculty development Program on virtual practical training	MET Institute of Pharmacy Adgaon	31/7/2021	4/8/2021
30.	Dr.S.A.Katti	Skilling teachers for online education	UKA TARSADIA University	2/6/2020	6/6/2020
31.	Mr.B.P.Wagh	Faculty development Program on virtual practical training	MET Institute of Pharmacy Adgaon	31/7/2021	4/8/2021
32.	Mrs.V.D.Rakibe	Workshop on Use of spectroscopic techniques for structural	AISSMS college of Pharmacy Pune	22/7/2021	23/7/2021

		elucidation			
33.	Mrs.V.D.Rakibe	One week on line National FDP on E-content and ICT tools for Innovative and Effective Teaching.	KS Jain Institute of Engg and Technology Modinagar Ghaziabad	15/7/2021	21/7/2021
34.	Mrs.V.D.Rakibe	Workshop on IPR patent Processing	RGNIPPM nagpur	5/10/2020	5/10/2020
35.	Mrs.A.P.Bhosale	Structure Based and Ligand Based Drug Design	Department of Pharmaceutical chemistry JSS College of Pharmacy Nagara Mysuru	13/7/2020	14/7/2020
36.	Mrs.A.P.Bhosale	Faculty development programme on virtual Practical training	IQAC MET's Institute of Pharmacy Nashik 3	31/7/2020	31/7/2020
37.	Mrs. V.R.Jadhav	Syllabus Orientation Online workshop (Pharmacetics)	BOS Pharmaceutics SPPU and PES Modern college of Pharmacy, Nigdi, Pune	10/07/2020	10/07/2020
38.	Mrs. V.R.Jadhav	online National Faculty Development Programme on "E-Contents and ICT Tools for Innovative and effective teaching"	K.S. Jain Institute of Engineering and Technology, Modinagar, Ghaziabad, Approved by AICTE	15/7/2020	21/7/2020
39.	Dr.P.S.Patil	Two days online workshop on Research writing and legal aspects of academic research(Pharmacology)	UGC-HRDC and SPPU	12/6/2020	13/6/2020
40.	Dr.P.S.Patil	one week online international FDP on The role of pharmacist in healthcare	Shri Vishnu College Of Pharmacy	29 /7 2020	4 /7/2020
41.	Dr.U.S. Ulhe	How to write case study & teaching note for Scopus indexed journals	Dr. V.N. Bedekar Institute of Management studies, Thane	27/5/2021	29/5/2021
42.	Dr.U.S. Ulhe	Developing	Andhra	16/8/2021	20/8/2021

		Conciousness	University		
43.	Dr.U.S. Ulhe	Quality attributes for the strategic improvement of faculty productivity	Sri venkateshwara college of Pharmacy	3/8/2021	7/8/2021
44.	Ms.S.J.Patil	Introduction to research	Swayam NPTEL	2/2021	4/2021
45.	Mr.k.B.Chaudhari	“Emerging Trends in Pharmaceutical Research”	Organized by Dr. D. Y. Patil Institute of Pharmaceutical	20/2/2021	15/5/2021
46.	Mr.k.B.Chaudhari	E-Content and ICT Tools for Innovative and Effective Teaching and Learning Process”	Roorkee College of Management and Computer Applications	8 /8/ 2020	14/8 2020
47.	Mr.k.B.Chaudhari	Emerging Trends in Pharmaceutical Research	Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, Pimpri, Pune, 411 018	20 /2/2021	15/5/ 2021
48.	Mr.k.B.Chaudhari	Creating Tech-Savvy Teachers for Future Classrooms	St. Teresa's Institute of Education, Santacruz, Mumbai, India	6 /6 2021	10 /6 2021
49.	Mrs.R.Gujarathi	Workshop- Nutrition for sports and Fitness	MM's Chandrashekhar Agashe college of Physical Education, Pune and association of sports, Nutrition and Fitness science.	4/9/2020	4/9/2020
50.	Mrs.R.Gujarathi	4 weeks MOOC- Co-operative learning Pedagogy	G.H.G.Khalsa College of Education, Ludiana	22/05/2020	11/6/2020

**Staff attending Workshops/Faculty Development Programme/Training Activity
For Year 2019-20**

Sr. No.	Name Of Faculty	Workshop/FDP /Training Activity	Sponsoror, Organizer and Place	Start Date	End Date
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		attended			
1.	Dr.Mahalaxmi Mohan	NPTEL- Designing Learner Centric e-learning in STEM disciplines	Swayam, MOOC, Mumbai	7/ 2019	8/2019
2.	Dr. Mahalaxmi Mohan	FDP- Transforming Teaching Learning Process through Modern paedagogical Technique	DTE, Mumbai and MSBTE, Mumbai	10/1/2020	8/3 2020
3.	Dr. Mahalaxmi Mohan	Implementation of CBCS- Workshop	SPPU,Pune	7/3/ 2020	7/3/ 2020
4.	Dr. Mahalaxmi Mohan	E-FDP: Foundation Course in Educational Methodology	APTI	25/4/2020	1/ 2020
5.	Dr.Mahalaxmi Mohan	Building Research and Innovative Culture among Pharmacy Teachers	D.Y. Patil Institute of Pharmaceutical Sciences and Research	18/5/2020	22/5/2020
6.	Dr.T.N.Lokhande	Building Research and Innovation Culture among Pharmacy Teachers	D.Y. Patil Institute of Pharmaceutical Sciences and Research	18/5/2020	22/5/2020
7.	Dr. A.Y.Pawar	AICTE approved eight weeks online FDP (MOOC) on Transforming Teaching Learning process through Modern pedagogical techniques	Department of Pharmacy, Government Polytechnic Jalgaon,	10/1/2020	8/3/2020.
8.	Dr.D.L.Attarde	Extraction and isolation of phytoconstituents	Institute of Chemical technology- Department of pharmaceutical sciences &	27/7/ 2019	28/7 2019

			technology, Mumbai		
9.	Dr.S.A.Katti	NPTEL-AICTE FDP-Stress Management	IIT-Madras	7/ 2019	8/ 2019
10.	Mr.B.P.Wagh	Plagiarism-Dont get trapped and academic writing	Aster Edit,Pune	16/5/2020	17/5/2020
11.	Mrs.V.D.Rakibe	NPTEL on Analytical Chemistry	IIT Kharagpur (AICTE)	29 /7/ 2019	18/10/2019
12.	Mrs.A.P.Bhosale	e-Faculty Development Program on "Teachers and Ethics: Balance in Research, Teaching, Socio- professional Values and Attitude"	Sir Dr. M. S. Gosavi College of Pharmaceutical Education and Research, Nashik	20/5/ 2020	25 /5/ 2020
13.	Mrs. V.R. Jadhav	NPTEL FDP- "Biomedical Nanotechnology"	IIT Madras AICTE	10/8/ 2019	10/9/ 2019
14.	Dr.P.S.Patil	Seven week massive open online course on Understanding Dementia	University of Tasmania and Wicking Dementia and research centre	18/2/2020	8/5/2020
15.	Dr.P.S.Patil	Three days workshop/Training Program on STEP 2.0: Screening technique in experimental Pharmacology	Indian Pharmacological Society with RCPIER Shirpur	26/9/2020	28/9/2020
16.	Mrs. S. H. Pawar	Foundation course in educational methodology	APTI	25/04/2020	01/05/2020
17.	Mrs. S. H. Pawar	Workshop on meditation by APTI	APTI	11/05/2020	13/05/2020
18.	Mrs. S. H. Pawar	Accreditation and Outcome based education	AICTE SWAYAM	8/ 2019	10/ 2019
19.	Mrs. S. H. Pawar	Stress management	AICTE SWAYAM	7/ 2019	8/ 2019
20.	Mrs. S. H. Pawar	Using MS word effectively for	Bombay college of pharmacy	27 /5/ 2020	29 /5 2020

		scientific report writing			
21.	Mrs. S. H. Pawar	Three days workshop/Training Program on STEP 2.0: Screening technique in experimental Pharmacology	Indian Pharmacological Society with RCPIER Shirpur	26/9/2019	28/9/2019
22.	Dr.U.S. Ulhe	Malibnet International virtual Librarian Development programs	Management libraries network	11/05/2020	16/05/2020
23.	Dr.U.S. Ulhe	Covid 19:enhanced online library services	MUCTA	12/05/2020	18/05/2020
24.	Mr.K.B.Chaudhari	Teaching Learning in General Programs: TALG	Indian Institute of Science Bangalore	7/ 2019	8/2019
25.	Mrs.R.Gujarathi	Health and Fitness- The way to Life	District Sports Office, Government of Maharashtra, SP Pune University and KSKW College, Nashik	4/5/2020	10/5/2020
26.	Mrs.R.Gujarathi	Women's Health and Wellness	SNDT Women's University, mumbai and Khel Rang Fitness sports Science Association	28/4/2020	30/4/2020

5.7. Research and Development (40)

5.7.1. Academic Research (10)

Academic research includes research paper publications, Ph.D. guidance, and faculty receiving Ph.D. during the assessment period.

- *Number of quality publications in refereed/SCI Journals, citations, Books/Book Chapters etc. (6)*
- *Ph.D. guided /Ph.D. awarded during the assessment period while working in the institute (4)*

All relevant details shall be mentioned.

List of Number of quality publications in refereed/SCI Journals, citations, Books/Book

Chapters etc. (6)

Sr. No.	Name of Faculty	No. of Research Publications till date	No. of citations till date	Faculty Research Publications For Assessment year			No. of citation for Assessment year
				2021-22	2020-21	2019-20	
1.	Dr R.S. Bhambar	40	217	5	3	5	217
2.	Dr. S.K. Mahajan	18	14	2	1	1	14
3.	Dr.M. Mohan	99	437	-	4	8	437
4.	Dr. A.R. Rote	34	66	1	3	1	66
5.	Dr. J.Y. Nehete	29	96	4	1	-	96
6.	Dr. R.R. Karmarkar	9	68	-	1	-	68
7.	Dr.T.N. Lokhande	14	05	2	2	2	05
8.	Dr. D.L. Attarde.	18	44	3	4	1	44
9.	Dr. S.A. Katti	25	39	6	3	1	39
10.	Mr. B.P. Wagh	2	04	-	1	-	04
11.	Dr. A.Y. Pawar	45	344	4	1	1	344
12.	Mrs. S.H. Pawar	9	12	-	4	1	12
13.	Mrs. A.P.Bhosale	6	19	1	2	1	19
14.	Mrs. V.R. Jadhav	1	--	-	-	-	--
15.	Dr. P.S. Patil	19	66	2	2	1	66
16.	Dr. K.V. Bhambar	6	2	2	1	1	2
17.	Mrs. V.D. Rakibe	2	4	-	2	-	4
18.	Miss. S.J. Patil	1	--	2	-	-	--
19.	Mr. K.B. Chaudhari	3	--	-	2	2	--
20.	Mr. P.P. Gadakh	2	--	2	-	-	--
21.	Dr. M.A. Tayade	11	--	-	-	-	--
22.	Mr. K.B. Erande	17	--	-	-	-	--
23.	Mrs R.S. Gujrathi	6	--	1	3	1	--

List of No. of Books or Book chapters published till date

Sr. No.	Name of Faculty	No. of books /chapters in book published till date	No. of books/book chapters published for assessment year		
			2021-22	2020-21	2019-20
1.	Dr R.S. Bhambar	7/0	1/0	3/0	--
2.	Dr. S.K. Mahajan	2/0	1/0	1/0	--
3.	Dr.M. Mohan	2/2	1/2	1/0	-
4.	Dr. A.R. Rote	1/0	--	--	--
5.	Dr. R.R. Karmarkar	2/0	--	--	--
6.	Dr. S.A. Katti	1/0	--	--	--
7.	Dr. A.Y. Pawar	2/0	--	--	--
8.	Mrs. S.H. Pawar	1/3	0/2	0/1	
9.	Mrs. A.P.Bhosale	1/0	--	--	--
10.	Dr. P.S. Patil	1/0	--	--	--
11.	Dr. M.A. Tayade	1/0	--	1/0	--

12	Ms.S.J Patil,	1/0	1/0	--	--
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c) List of scientific/ technical Books written by Faculty Members in the College.

- Dr.R.S.Bhambar et. al Pharmacognosy &Phytochemistry -II ,by Technical publication first edition,feb 2021 ISBN-978-93-90041-96-1
- Dr.R.S.Bhambar et. al Herbal drug Technology , by Technical publication First edition Feb 2022 , ISBN 978-93-90450-64-0
- Dr.R.S.Bhambar et. al Practical manual of Pharmacognosy and Phytochemistry I by birla publication 2021 ISBN-
- Dr.R.S.Bhambar et. al Practical manual of Pharmacognosy and Phytochemistry II by birla publication 2021, ISBN-
- Dr. M. Mohan et.al., Ayurvedic remedies for the diseases of microbial origin Vol II published by Academic Decipher press with ISBN 978-81-956220-9-2
- Dr. S.K.Mahajan A Practical book of Pharmaceutical Organic chemistry -II by career and Pharma publications First edition -feb -2021 ,ISBN-978-93-80744-71-1
- Dr. M.A.Tayde A Practical book of Pharmaceutical Organic chemistry -II by career and Pharma publications First edition -feb -2021 ,ISBN-978-93-80744-71-1
- Dr. M. Mohan, Some topics in pre-clinical Pharmacology by Career Publication, Second Edition 2021. ISBN- 978-93-82322-74-0
- Dr. M. Mohan, Ayurvedic remedies for Mucormycosis- Ayurvedic remedies for the Covid-19 and Mucormycosis, Vol VII published by Academic Decipher press with ISBN 978-81-956220-4-7.
- Dr. M. Mohan, Ayurvedic remedies for Nipah Virus infection Ayurvedic remedies for the diseases of microbial origin Vol II published by Academic Decipher press with ISBN 978-81-956220-9-2.
- Mrs. S. H. Pawar, Chelating agents and heavy metals poisoning, In Textbook of Pharmacology edited by P.R. Bhandari, Thieme publication 2021.
- Miss. S. J. Patil, Dr. S.K. Mahajan, Mrs. V.D. Rakibe, A Textbook of Advanced instrumentation techniques by Bookmark Publishing house, Jalgaon 2022 ISBN-978-93-92425-27-1
- Mrs. S. H. Pawar, Cellular Cysteine network and neurodegeneration, In Book Title Published by IGI global publishers 2020.
- Mrs. S. H. Pawar, Therapeutic benefits of bioactive components of *Punica granatum* in neurodegenerative disorders, In Book title, published by Nova Science publishers, 2021.

Information of research articles published during year CAYm2 (2019-20), CAYm1(2020-21) and CAY (2021-22)

For Year 2019-20

Sr no	Main author and other	Title of the research article	Journal and ISSN no	Volume and Page no.	Year
1.	K. V. Bhambar R. S. Bhambar	Formulation and Evaluation of floating matrix tablet of Drotaverine Hydrochloride	Journal of Drug d Delivery and Therapeutics ISSN No-2250-1177	9, 200- 206	2019
2.	R.S.	Validation of Galic acid by	Journal of Global	10 , 6824-	2019

	Bhambar D. L. Attarde	using HPTLC and HPLC technique for standardization of amla ras and exploration as phytosomes	Trends in Pharmaceutical Science ISSN -2230-7346	6837	
3.	R.S. Bhambar	Anthelmintic activity of <i>Dalbergia sissoo</i>	International Journal of Recent Scientific Research ISSN-0976-3031	10, 1006-3526	2019
4.	A.Y.Pawar, R.S.Bhambar	Covaescent plasma: A possible treatment protocol for COVID-19 patients suffering from diabetes or underlying liver diseases	Diabetes &Metabolic Syndrome :clinical research and Reviews	14,(2020), 665-669	2020*
5.	S. K. Mahajan	Cymbopogon: A diverse medicinal herb in pharmacy	IJPBB ISSN-2349-7750	6, 1116-1129	2020
6.	M. Mohan	Probiotics in Ulcerative colitis	Indo-a American Journal of Pharmaceutical sciences ISSN: 2349-7750	6 (6), 12217-12231	2019
7.	M. Mohan	Probiotic-Antidiarrhoeal antioxidant and antimicrobial	Indo-American Journal of Pharmaceutical sciences ISSN: 2349-7750	6(6) 1255-12276	2019
8.	M. Mohan	A Review on Probiotics as Immunomodulators	Indo-American Journal of Pharmaceutical Sciences ISSN: 2349-7750	6(6) 11931-11947	2019
9.	M. Mohan	Protective effect of SKB gut biotic against castor oil and E.coli induced diarrhea in laboratory animals	Microbial Pathogenesis ISSN:0882-4010	143 (2020)	2020*
10.	M. Mohan, P.S.Patil	Duloxetine in management of Chronic Pain states :A review on current Evidences	Inventi Rapid :Molecular pharmacology ,ISSN-0976-3856	2019(4)	2019
11.	A.R. Rote	A Review on Analytical methods for Estimation of Dapagliflozin and Saxagliptin in bulk and in Pharmaceutical dosage form	World Journal of Pharmceutical Reserch ISSN: 2277-7105	9(1) 695-708	2019
12.	S.A.Katti	Synthesis ,Molecular docking & evaluation of Anthelmintic activity of 2-(2-Amino Ethyl)-1H-Benzimidazole Derivatives	World Journal of Pharmceutical Research ISSN: 2277-7105	8,(11)	2019
13.	T.N. Lokhande	Tuberculosis, pathogenesis, emerging drug target, current drug regimens and drugs in	International Journal of Pharma Sciences and Research ISSN:	10 (9) 225	2019

		clinical development	0975-9492		
14.	T.N. Lokhande	Nanoparticles and approach for novel drug delivery system: A review	World Journal of Pharmaceutical Research ISSN: 2277-7105	8 (7) 652-668	2019
15.	S.H.Pawar, R.S.Bhambar	Effect of Vanillic Acid on Nerve conduction velocity in chronic constriction Injury Model of Neuropathy	Indian Journal of Pharmaceutical Education and Research	54,(1)	2019*
16.	K. B Chaudhari M. Mohan	Bacillus Amylolyticus: A Review	Research and Review Journal of Microbiology and Virology ISSN – 2349-4360	10 (25-33)	2020
17.	K. Chaudhari M. Mohan	Bacillus subtilis: A Review	Inventi rapid : Pharmabiotech and Microbio ISSN – 2278-4098	4	2019
18.	M. Mohan	Protective effect of <i>Solanum torvum</i> on Monosodium induced Hepatotoxicity and Nephrotoxicity in rats	Indian Journal of Natural Products and Resources	10 31-42	2019*
19.	P.S.Patil	Zebrafish: An emerging animal model for Pharmacological screening	International Journal of Research in Pharmacy and Pharmaceutical Sciences ISSN: 2455-698X	4(4) 35-44	2019
20.	A.P.Bhosale	Green Tea: An Emerging Polyphenolic Herb in Pharmacy	Inventi Rapid: Planta Activa ISSN :2278-411X	2019,(3)	2019
21.	R. Gujrathi	Efficacy of Fartlek Training on selected physical and psychological variables among the RS Fencing Academy Respondents in Nashik	International Journal of Innovative Research in Technology ISN- 2349-6002	8,(5) 333-336	2019

For Year 2020-21

Sr no	Main author and other	Title of the research article	Journal and ISSN no	Volume and Page no.	year
1	R S. Bhambar D L. Attarde	A review on antimicrobial activity of <i>Psidium guajava</i> L leaves on different species, antioxidant activity profile and herbal formulation.	Journal of Pharmaceutical Science and Research ISSN -0975-1459	13 406-411	2021
2	R S. Bhambar D L. Attarde	Physicochemical and phytochemical investigation of isolated seed oil of Nelumbo Nucifera (I.) and its pharmacognostic parameters.	Am.J. PharmTech Res. ISSN-2249-3387	10	2020

3	S K. Mahajan	Cymbopogon : A diverse medicinal herb in pharmacy.	Indo American Journal of Pharmaceutical Sciences ISSN-2049-7750	6 1116-1129	2020
4	M.Mohan	Bacillus polymyxa : A potential probiotic species	Electronic Journal of Biology ISSN-1860-3122	16 128-133	2020
5	M. Mohan	Effect of <i>Solanum torvum</i> (swartz) on diabetic neuropathy in alloxan induced diabetic rats	Indian Journal of Natural Product and Resources ISSN:	11 (2), 79-88	2020*
6	A. R. Rote	Review on: Oral medicated instant jelly for dysphagia patient.	NOVIY MIR Research Journal ISSN-0130-7673	6	2021*
7	A. R. Rote R R. Karmarkar	Formulation development and evaluation of mucoadhesive buccal tablets of Aripiprazole using tamarind Cmc with B-cyclodextrin	International Journal of Pharmaceutical Research and Application ISSN-2249-7781	5 307-320	2020
8	A.R. Rote	Determination of telmisartan and hydrochlor thiazide using HPTLC in human plasma development and validation of bioanalytical method	Current Advances in Chemistry and Biochemistry ISSN:	7 (120) 41-48	2021
9	J. Y. Nehete	A review on pongamia piñata (L) pierre : A great versatile Fabales plant	International Journal of Creative Research Thoughts ISSN-2320-2882	9	2021
10	T. N. Lokhande	A review article on covid-19 pandemic and cardiovascular disease.	World Journal of Pharmaceutical Research ISSN-2277-7105	10 1627-1639	2020
11	T. N. Lokhande	Cannabis and its constituents for cancer : History biogenesis, chemistry pharmaceutical activities	World Journal of Pharmaceutical Research ISSN-2277-7105	10 1686-1696	2020
12	D. L. attarde	Comparative evaluation of multiple extract of pericarp of Luffa acutangula (L) for its significant antioxidant, antibacterial and antifungal activity	Research J. Pharm and tech. ISSN-0974-3618	4	2021
13	D. L. Attarde	Formulation development and evaluation of cleome gyandra based gel	Asian J. of Pharmacy and Technology ISSN-2231-5705	10	2020
14	S. A. Katti	Application of mixed hydrotroy in formulation of various dosage form	IJPPR ISSN-2349-7203	18	2020
15	S. A. Katti	A review: Effervescent	NOVIY MIR research	6	2021*

		powders dosage form pediatric patient compliance	journal ISSN-0130-7673		
16	S. A. Katti	Drug reproducing in Treatment of Rheumatoid Arthritis	NOVIY MIR research journal ISSN-0130-7673	6(200)	2021*
17	A. Y. Pawar	Combating devastating COVID-19 by drug repurposing	International Journal of Antimicrobial agents ISSN-0924-8579	56(2) 105984-105987	2020*
18	S. H. Pawar	Evaluation of some phenolic acids in diabetic neuropathy	Indian Journal of Pharmaceutical Education and Research	55(1) S176	2021*
19	S.H. Pawar	Attenuation of hyperalgesia and allodynia by some phenolic acid in paclitaxel induced neuropathy	Journal of Advanced Scientific Research ISSN-0976-9595	12(2) 363-368	2021
20	S. H. Pawar	Effect of vanillic acid in streptozotocin induced diabetic neuropathy	Asian Journal of biological and life science	9 (306)	2020*
21	S.H.Pawar	Evaluation of Syringic Acid and Sinapic Acid in Chronic Constriction Injury Induced Neuropathy	EC Pharmacology and toxicology	9.3 (2021) 32-44	2021
22	A. P.Bhosale	A review: Effervescent powders dosage form pediatric patient compliance	NOVIY MIR research journal ISSN-0130-7673	6	2021*
23	A. P. Bhosale	Development and Validation of UV spectrophotometric method for estimation of Fimasartan in Bulk and Tablet Dosage form	Journal of Maharaja Sayajirao University of Baroda	55 (1) 76-79	2021
24	P S. Patil R S. Bhambar	Effective natural drug remedies against Herpes zoster: A review	Journal of Drug Delivery and therapeutics ISSN-2250-1177	10(6) 112-118	2020
25	P S. Patil	A review of traditional uses, phytoconstituents and pharmacological activities of <i>Ipomoea obscura</i>	International Journal of Research in Pharmacy and Pharmaceutical sciences ISSN-2455-698X	5 24-31	2020
26	Kunal V. Bhambar	Formulation and characterization of floating matrix tablet of tizanidine hydrochloride	European Journal of Biomedical and Pharmaceutical Science ISSN-2349-8870	7 589-596	2020
27	Vaishali D.	A review on pharmaceutical	Indo American	7(10)	2020

	Rakibe	co-crystallization	Journal of Pharmaceutical sciences ISSN-2349-7750	362-367	
28	V D. Rakibe	A review on: Microsponge loaded drug delivery system	NOVIY MIR research journal ISSN-0130-7673	6 225	2021*
29	K .B. Chaudhari M. Mohan	Bacillus polymyxa: A potential probiotic species	Electronic Journal of Biology ISSN-1860-3122	16 128-133	2020
30	K B. Chaudhari M Mohan	Bacillus amyloliquefaciens : A review	Research and Review A Journal of Microbiology and Virology ISSN-2349-4360	10	2020
31	B. P.Wagh	A review on quantification of 5-Fluorouracil Its Bulk and Pharmaceutical Dosage form by various Analytical Methods	International Journal of All Research Education and Scientific Methods	9 (4)	2021
32	R. Gujrathi	Influence of specific training programme on Physiological component of highschool level girls fencing players	International Journal of Creative Research Thoughts ISSN-2320-2882	6(1)	2021
33	R. Gujrathi	Effect of Six week Ladder skill training on Vital Capacity of Fencing Players	Studies in Indian Place Names(SIPN) ISSN-2394-3114	40,(28)	2020
34	R. Gujrathi	Effect of Yoga on Diabetes	Asian Journal of Physical Education and Computer Science in Sports	13(1)	2020

For Year 2021-22

Sr. No	Main author and others	Title of the research article	Journal and ISSN no.	Volume & P.N.	Year
1.	R.S. Bhambar	Machine Learning :Approaches and Applications in Drug Discovery	International Journal of All Research Education and Scientific Methods Issn:2455-6211	9,(8), 1274-1276	2021
2.	R.S. Bhambar, K.V. Bhambar Gadakh P.P.	Formulation and characterization floating matrix tablets of methimazole	International Journal of Current Research and review ISSN-2231-2196	13 (17) 98	2021*
3.	K.V. Bhambar, . R. S. Bhambar,	Formulation and evaluation of transdermal patches of drotaverine hydrochloride using mercury substrate	Journal of Medical Pharmaceutical and Allied Sciences ISSN-2320-7418	10(6) 3978-3980	2021*

	P. P. Gadakh	method			
4.	R.S. Bhambar. . J.Y. Nehete	Strategies to improve stability of essential oils	Journal of Pharmaceutical sciences and research ISSN: 0975-1450	13(7) 416-425	2021
5.	S.K. Mahajan	Triclabedazole: The drug of choice against fascioliasis disease	International journal of pharmaceutical research and applications ISSN: 2249-7781	6 (4) 750-765	2021
6.	S. K. Mahajan, S.J.Patil	Coumarine: A valid scaffold in medicinal chemistry	Journal of Advanced scientific research ISSN: 0976-9595	12 (3) 1, 21-34	2021
7.	J.Y.Nehete	Overview of phytochemical and pharmacological aspects of Tribulus terrestris	International Journal of Pharmaceutical Research and Application ISSN: 2249-7781	6(3) 922-929	2021
8.	J.Y.Nehete	Qualitative analysis of Curcumin in marketed dosage form by using UV spectroscopy	International Journal of Pharmaceutical Research and application ISSN: 2249-7781	6 (3) 844-850	2021
9.	J.Y.Nehete	Review on Traditionally medicinal importance, morphology, Phytochemistry and pharmacological activities of Dalbergia sissoo	International Journal of Creative Research thoughts ISSN:2320-2882	9 (7)	2021
10.	A.Y. Pawar	Formulation and evaluation of Naringin Nanoethosome by Cold method	Journal of Pharmaceutical Research International ISSN-2456-9119	33(42B) 139-152	2021*
11.	A.Y. Pawar	Solid SMEDDS: An approach for dissolution rate enhancement using telmisartan as model drug	Journal of Reports in Pharmaceutical sciences	10 198-208	2021*
12.	A.Y. Pawar	Determination of Pickering Nanoemulsion by Eudragit RI-100 Nanoparticle as oral drug delivery for poorly soluble	Journal .of Pharmaceutical research international Past ISSN-2231-2919	33(44A) 2456-9119 ,197-208	2021*
13.	A.Y. Pawar	Formulation and Evaluation of Miconazole Nitrate Loaded Nanoparticles for Topical Delivery	Journal of Pharmaceutical Research International ISSN-2456-9119	33(42B) 102-123	2021*
14.	A.R.Rote	Microneedles: Uses in Insulin dependent diabetes mellitus through transdermal drug delivery system	International journal of Innovative research in science, Engineering and Technology	11 (4), 3313	

			ISSN:2319-8753		
15.	D.L. Attarde	A Brief Review on Guduchi (<i>TINOSPORA CORIFOLIA</i>)	International Journal of Pharmaceutical sciences and Research E-ISSN:0975-8232 P-ISSN- 2320-5148	13(5) , 1000-15	2022
16.	D. L. Attarde	Phytochemical and medicinal study of Lantana camara linn (verbenaceae)- A review	Asian J. of Pharmaceutical and Chemical Research ISSN: 2455-3891	14	2021
17.	D. L. Attarde	A review on <i>Annona squamosa</i> L.:Pharmacognosy,Phytochemical Analysis ,and Pharmacological Activities	International Journal of Pharmacy and Pharmaceutical Research ISSN:2349-7203	21 ,(3)	2021
18.	S.A. Katti	Hydrogel Formulation a suitable Alternative for Drug Delivery of NSAID's For Treatment of Inflammation	International Journal of scientific development and research.	2455-2631,153-157	2022
19.	S.A. Katti	Drug repurposing novel approach for treatment of rheumatoid arthritis	International Journal of Scientific Development and Research ISSN -2455-2631	6,(6) 13-21	2021
20.	S.A. Katti	Drug Repurposing in Treatment of Rheumatoid Arthritis	NOVYI MIR Research Journal ISSN-0130-7673	6 ,(5) 200-212	2021*
21.	S.A. Katti	Topical Application of Probiotics and Novel Approach for treatment of Diabetic Foot Ulcer	International Journal of Recent Scientific research	13 (4)	2022
22.	S.A. Katti	Design and in silico Evaluation of Some Pyridine Derivatives for Antihypertensive Activity	Asian J. Org. Med. Chem.2456-8937	6(3) 217-221	2022
23.	S.A. Katti	Formulation and Evaluation of sustain release Matrix tablet of Fluvoxamine Maleate using <i>Moringa Oleifera Gum</i>	International Journal of Pharmaceutical Sciences and Research ISSN-0975-8232	12(7) 3879-3886	2021
24.	T.N. Lokhande	Machine Learning :Approaches and Applications in Drug Discovery	International Journal of All Research Education and Scientific Methods ISSN:2455-6211	9,(8,)1274-1276	2021
25.	T.N. Lokhande	A revision of the Biginelli reaction :A combined Experimental and Pharmacological Investigation	Der Pharma Chemica 2021	13(10) 15-24	2021
26.	S.J.Patil	A revision of the Biginelli	Der Pharma Chemica	13(10)	2021

		reaction :A combined Experimental and Pharmacological Investigation	2021	15-24	
27.	S.V.Valte	A Brief Review on Guduchi (<i>TINOSPORA CORIFOLIA</i>)	International Journal of Pharmaceutical sciences and Research E-ISSN:0975-8232	13(5) , 1000-15	2022
28.	P.S. Patil	The chemical constituents Pharmacology and Study on COVID-19 of <i>Tinospora cordifolia</i> (Guduchi)	International Journal of All Research Education and Scientific Methods ISSN:2455-6211	9(6), 876-883	2021
29.	P.S. Patil R.S. Bhambar	Exploration of phytopharmacognostic study of <i>Ailanthus excelsa</i> (Roxb) leaves	Journal of Advanced in Medical and Pharmaceutical sciences	23 (9), 34-44	2021
30.	R. Gujrathi	Psycho-social constraints of maharashtra men participation in games and sports	Journal of Sports sciences ISSN-2310-2884	3(2)	2021*
31.	A.P. Bhosale	A review on stability indicating methods for some antihypertensive drugs	Pensee journal, ISSN: 0031-4773	51 (6)	2021

- Res articles indexed in Web of Science.

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

Name of the Ph.D.guided staff	Ph.D. Guided /Co-guided Year		
	2021-22	2020-21	2019-20
Dr.R.S.Bhambar	08	07	06
Dr. M. Mohan	04	02	00
Dr. J.Y.Nehete	03	02	01
Dr. T.N.Lokhande	04	02	02
Dr. S. K. Mahajan	04	03	03
Dr. R.R. Karmarkar	04	01	00
Dr. A.Y. Pawar	02	02	02

Details of Ph.D. Guided staff:

Sr. No.	Name of Student	Name of Guide	PhD research topic	Date of registration
1.	Poonam Shinde	Dr. R. S. Bhambar	Topical treatment for necrotising herpes virus by using polyherbal formulation	01/07/2016
2.	Prerana Dongare	Dr. R. S. Bhambar	Evaluation of bioenhancer potential of herbs and development of novel herbopathic formulations	01/07/2016
3.	V.D Sulochane	Dr. R. S.	Pharmacognostic and pharmacological	21/03/2018

		Bhambar	Screening of <i>Erythrina indica</i> Lam(Fabaceae)	
4	Sonali Gawali	Dr. J. Y. Nehete	Pharmacognostic, Phytochemical and Pharmacological Screening of <i>Clematis hedysarifolia</i> DC Family-Ranunculaceae	21/03/2018
5	Rupali Shinde	Dr. S. K. Mahajan	Design, Synthesis and Evaluation of novel photosensitizers	22/03/2018
6	Shital Janardan Patil	Dr. S. K. Mahajan	Qualitative and quantitative analysis of naturally occurring preservative and comparative study with synthetic preservative	15/02/2020
7	Khemchand Rajendra Surana	Dr. S. K. Mahajan	Design, Synthesis and Characterization of Coumarin based molecules and their invitro and invivo evaluation	15/02/2020
8	Vaishali Nilesh Pardeshi	Dr. T.N. Lokhande	Development and Validation of Stability Indicating Methods For Anti-tubercular agents using different Analytical Techniques	15/02/2020
9	Ashwini Vishwanath Shelake	Dr. T.N. Lokhande	Development and Validation of Analytical and Bioanalytical methods of some Anti-retroviral agents	15/02/2020
10	Shamal Daulat Dawange	Dr. R. S. Bhambar	Pharmacognostic Phytochemical and Analytical investigation on Fruits and Flowers of <i>Calotropis procera</i>	15/02/2020
11	Yogesh Sharad Bhide	Dr. J. Y. Nehete	Extraction Characterization and Therapeutic Evaluation of seeds of <i>Phaseolus vulgaris</i> for Weight management and inhibition of Carbohydrate uptake	15/02/2020
12	Prashant Vadanal	Dr. M. Mohan	Role of forskolin in inflammation and fibrosis animal models	15/02/2020
13	Sushant Kadam	Dr. M. Mohan	Management of vascular complications of diabetes with potential therapeutic agents	15/02/2020
14	Rutuja Aher	Dr. R.R. Karmarkar	Formulation and development of transdermal delivery of Anti-Inflammatory drug using natural carrier base	15/02/2020
15	Mr. K. B. Erande	Dr. R. S. Bhambar	Preparation and Evaluation of Antimicrobial Formulations from Garlic (<i>Allium sativum</i>)	2012
16	Mr. B.P. Wagh	Dr. R. S. Bhambar	Solubility Enhancement of Antiviral Drugs by Solid Dispersion Technique	2014

Ph.D. awarded during the assessment period while working in the institute

Sr No.	Name of Faculty	Title of the Ph.D.Research	Ph.D. awarded Year	Name Of the University	Supervisor/Co-supervisor
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1	Dr. K. V. Bhambar	Development and characterization of sustained release formulations of some anti-spastic agents	2021	Sant Gadge Baba Amravati University	Dr. S.D. Pande
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Faculty members registered and pursuing Ph.D.

Sr. No	Name Of the Faculty	Supervisor/Co-supervisor	Name Of the University	Status
1.	Mr. B. P. Wagh	Dr.R.S. Bhambar	SGVU,Jaipur	Pursuing
2.	Mrs. S.H.Pawar	Dr.C.D.Upasani	SPPU , Pune	Pursuing
3.	Miss A.P. Bhosale	Dr.A.P.Pingale	SPPU , Pune	Pursuing
4.	Miss. S.J.Patil	Dr. S.K.Mahajan	SPPU, Pune	Pursuing
5.	Miss. Y.B. Thombre	Dr. T. N. Lokhande	SPPU, Pune	Pursuing
6.	Mr. K.B. Chaudhari	Dr. M. Mohan	SPPU, Pune	Pursuing
7.	Mrs. V.R. Jadhav	Dr. R.R. Karmarkar	SPPU, Pune	Pursuing
8.	Mr. P. P. Gadakh	Dr. Y.R. Devot	BN University Udaypur	Pursuing
9.	Mr. R. D. Pathak	Dr. C.G. Dighavkar	JJTU, Rajasthan	Pursuing

5.7.2. Sponsored Research (10)

Funded research:

(Provide a list with Project Title, Funding Agency, Amount and Duration)

Funding amount (Cumulative during CAYm1, CAYm2 and CAYm3):

Amount > 25 Lacs – 10 Marks

Amount >= 22 Lacs and <= 25 lacs – 9 Marks

Amount >= 19 Lacs and < 22 lacs – 8 Marks

Amount >= 16 Lacs and < 19 lacs – 7 Marks

Amount >= 13 Lacs and < 16 lacs – 6 Mark

Amount >= 10 Lacs and < 13 lacs – 5 Marks

Amount >= 08 Lacs and < 10 lacs – 4 Mark

Amount >= 06 Lacs and < 08 lacs – 3 Mark

Amount >= 05 Lacs and < 06 lacs – 2 Marks

Amount >= 04 Lacs and < 05 lacs – 1 Mark

Amount <= 4 Lacs – 0 Mark

List of Sponsored Project titles Cumulative during the assessment year (2019-2021)

Name of the Faculty/ PI	Title of Research Project	Sanctioned Amount (Rs)	Funding Agencies	Duration
Mrs V. R. Jadhav	Formulation and evaluation of biopolymer incorporate nanogel of Nabumetone	1,50,000/-	Savitribai Phule Pune University, Pune	2020-22
Dr. M. Mohan	Effect of <i>Nyctanthus arbour-tristis</i> on fructose induced hypertension and metabolic alterations in wistar rats	15,29,412/-	AICTE-MODROB GRANT (F.No: 9-	2020-22

			270/IDC/ MODROB/Policy -1/2019-20)	
Cumulative amount during the assessment year		16,79,412/-		

* described in 5.7.5 Development activities

5.7.3. Consultancy (From Industry)

(10)

(Provide a list with Project Title, Funding Agency, Amount and Duration)

Funding Amount (Cumulative during CAYm1, CAYm2 and CAYm3):

Amount > 25 Lacs – 10 Marks

Amount >= 22 Lacs and <= 25 lacs – 9 Marks

Amount >= 19 Lacs and < 22 lacs – 8 Marks

Amount >= 16 Lacs and < 19 lacs – 7 Marks

Amount >= 13 Lacs and < 16 lacs – 6 Mark

Amount >= 10 Lacs and < 13 lacs – 5 Marks

Amount >= 08 Lacs and < 10 lacs – 4 Mark

Amount >= 06 Lacs and < 08 lacs – 3 Mark

Amount >= 05 Lacs and < 06 lacs – 2 Marks

Amount >= 04 Lacs and < 05 lacs – 1 Mark

Amount <= 4 Lacs – 0 Mark

List of Consultancy titles Cumulative during the assessment year (2019-2021)

Name of the Faculty/P I	Title of Research Project	Sanctioned Amount (Rs)	Funding Agencies	Duration
Dr. M. Mohan	Effect of various Bacillus probiotic species on castor oil and <i>E.coli</i> induced diarrhea in laboratory animals	82,522/-	SK Biobiz Pvt Ltd Jaulake Dindori Nashik,	2019-20
Dr. S. K. Mahajan, Dr. S.A Katti	Solubility enhancement and formulation of Disulfiram dry powder for reconstitution.	40,000/-	Neuvocare Pharmaceuticals, Nashik	2020-21
Dr. M. Mohan	Protective Effect of <i>S.boulardi</i> and <i>B. Amylolyquefaciens</i> on castor oil and e.coli induced diarrhoea	47,992/-	SK Biobiz Pvt Ltd Jaulake Dindori Nashik,	2020-21
Dr. P.S. Patil	Evaluation of wound healing activity of <i>Commiphoramukul</i> gum extract in excision and incision wound models in rats	90,000/-	Invivo Biosciences, Bangalore	2020-21
Cumulative amount during the assessment year		2,60,514/-		

- We have Memorandum of Understanding (MoU) done with many organizations including industries/Hospitals and we undertake collaborative research and academic work .

Name of Institute/Industry/Hospital	Purpose	Year of signing MoU
Civil Hospital	Academic tie up	2016-17
Ayurved Seva Sangh, Nashik	Collaborative project work	2016 -17
Orchid Scientific and Innovative India Pvt. Ltd. Ambad, Nashik	Consultancy services, Joint collaborative projects, Visit& training (<i>Industry sponsored Lab</i>)	2017-18
PAR Pharmaceuticals, USA	Donation of Instruments by our Alumni- Mahendra Pawar (1999) (<i>Industry sponsored Lab</i>)	2017-18
Reve Pharma, Sinnar, Nashik	Collaborative Research work	2018-19
S K Biobiz, Dindori, Nashik	Collaborative project work	2018-19
Scitech Specialities Private Limited, Musalgaon, MIDC, Sinnar, Nashik	Collaborative project work	2019-20
Neuvocare Pharmaceuticals Pvt Ltd, Nashik	Collaborative Research Work	2019-20
Invivo Biosciences, Banglore	Collaborative project work	2020-21
VSG Life Sciences LLP, Nashik	Collaborative project work	2020-21
Saptashringi Ayurved College- KBH Dental College	Collaborative Research work	2020-21
Nucleus Healthcare and Research Pvt Ltd	Collaborative Research work	2021-22
Shree Mithila Ayurveda College and Research Centre, Nepal	Interdisciplinary work/Faculty Exchange Program	2021-22
Arpan Blood Bank, Nasik	Collaborative Academic work	2021-22
Navsanjeevani Hospital, Nasik	Collaborative Research work	2021-22

Consultancy work details with ORCHID INNOVATIVE SCIENTIFICS

- Orchid Innovative Scientifics and India Pvt Ltd Nashik has provided instruments worth 10 lacs and the college has provides consultancy services in the form of instrument validation and other technological support through the use of animals or tissues.
- Sensitivity of forced pressure transducer checked on isolated preparation- 24-08-2017
- ANY software installation for behavioral studies and demo to students-15-09-2017
- Determination of threshold current in mA in rats receiving shock through newVogel conflict test- 22-09-17
- Verification of settings of newly modified Electroconvulsimeter- 03-11-2017
- Verification of settings of mouth piece attachment for nebulization of anaesthesia apparatus and measure angle of sitting for rats and mice-06-12-2017

- Calibration and demonstration of anaesthesiometer manufactured by ORCHID in rats and mice-21-02-2018
- Trial conductance of Incapacitance Apparatus and Pole climbing apparatus- 03-09-2018
- Validation of Performance of Air Velocity Test System for lab animals20 -01-2019
- Validation of hot plate apparatus modified by ORCHID-05-07-2019
- Validate pole climbing apparatus modified by ORCHID – 22-01-2020
- Discussion on technicalitiesof stereotypy to assist in fabricating Actimeter- 03-02-2020
- Check the functioning of new plethysmometer-17-08-2020, 04-09-2020
- Requirement of animals for equipment performance testing-27-04-2022

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

List of Honorary Consultancy details Cumulative during the assessment year (2019-2021)

Sr. No	Name of the Staff	Honorary Consultancy details	Date/Month/Year
1	Dr. M. Mohan	Ayurvedic Sansodhan Vibhag Chronic toxicity study of herbomineral compound in wistar rats (Rs. 26921/-)	2019-20
2	Dr. M. Mohan	Royalty payment for the period of 2020-2021 for the published book, Some topics in Pre-clinical Pharmacology by Career publication, Nashik. Received through cheque (no.728949 dated 10/01/2022 Rs 472/)	2020-21
3	Dr. R.S. Bhambar	Royalty payment for the period of 2021-2022 for the published book, Pharmacognosy &Phytochemistry –II, by Technical publication first edition, Pune. Received amount Rs. 1277.25/- transferred to bank a/c.	2021-22

Cumulative honorary consultancy: Rs. 28,670.25/-

Some of the staff members also participate in online reviewing of research papers.

5.7.5. Development Activities (5)

Provide details:

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

Product Development

Following staff members have contributed for the product development in the various segments of research and successfully published their patents under the IPR act

Sr. No.	Name of Staff	Product Development Activity	Year
1.	Dr. R.S. Bhambar	P-glycoprotein inhibition assay testing apparatus (Design No. 3465/5-001)	2021
2.	Dr. A. Y. Pawar	An etoricoxib loaded nanosponge hydrogel for arthritis and process to prepare thereof (application no. 202121042889 A)	2021
3	Dr. R. S. Bhambar	Integration and unique characterization of bioactive complex compounds from stem bark extract of <i>Uapaca pilosa</i> Hutch (application no. 202121035358)	2021
4	Dr. T. N. Lokhande	A novel composition for the treatment of tuberculosis (Application no. 2021103070)	2021
5	Dr. R.S. Bhambar & Dr. S.A. Katti	A smart Unitary system for public toilets (Application no. 202221012019)	2022

Research Laboratories

Emphasis is given on the continuous development in research amongst the students and faculty members. The faculty members are continuously engaged in research activities supported by various funding sources. It's a matter of great pride that our college has set up Central Instrumentation room and aseptic room having tremendous industrial significance. The Central Instrumentation Room has facilitates worth nearly 3 crores. Various sophisticated instruments are installed to carry out research activities under single roof for UG and postgraduate students and faculty. College has installed instruments like Freeze dryer (Martin Christ), Viscometer(Brookfield), Differential Scanning Calorimeter(Shimadzu),Double beam UV Spectrophotometer(Shimadzu),High Performance Liquid Chromatography(Waters),High Performance Thin Layer Chromatography (Camag),Atomic Absorption Spectrophotometer (Chemito), Gas Chromatography (Chemito),Gas Chromatography-Mass Spectrophotometer(Shimadzu), Fourier Transform Infrared Spectrophotometer(Shimadzu),Flame Photometer (Elico), Fluorimeter (Elico), Stability chamber, Research centrifuge (Remi) to carry out extensive research.The Animal House Facility of college is approved by Committee for the Purpose of Control and Supervision of Experiments on Animals(CPCSEA) to carry out research activities involving animals. This supports interdisciplinary research.

Instructional Materials, Working models, Charts/Monograms:

Informative charts, Mini models prepared by the students under the guidance of teaching

staff members are displayed in the laboratories to assist them in understanding and remembering the concepts.

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

Each year at the end of academic year the college follows faculty appraisal mechanism for evaluation of the performance of the faculty.

The faculty of respective department is directed to file self appraisal report in the proforma provided by the head of department. The appraisal report highlights the various academic professional and non-academic activities. The faculty duly fills the proforma, and submits the same to the principal through head of department.

The Principal reviews and analyses all the performance appraisal reports and presents essence before the management. The self appraisal reports comprises of the academic details undertaken, results, number of seminars, conferences and QIPs attended, contribution to the college and community, books, papers and patents published, grants received and special awards, consultancy work, Student feedback is however, given top priority and this is duly communicated at personal level by the Principal to the teacher. A teacher who secures 100% results in his/her subject is appreciated. Faculty awarded with Ph.D or having university nominations are felicitated in CDC meeting.

Incentive Policy: The College also encourages Faculty Self- Development through upgrading education by offering full support in terms of facilities provided. Faculty participation in continuing education programs, Orientation courses various national and international conferences, with [sponsored registration](#) are encouraged.

The college provides the facilities for study leave for upgrading and skill development as per rules of the UGC/University.

Last year the management with its appreciation committee appreciated the efforts of the faculty members by awarding them with Best Principal, Distinguished teachers, and Developing teacher like awards, based on the norms and policies decided by the committee. The Nominations were identified across the trust and selection criteria, eligibility, form of award were effectively communicated among the members. Details of screening criteria, procedure and related information are available in criterion file.

The following faculty received awards and were felicitated for the year 2021-22 from our college.

1. Prin Dr. R. S. Bhambar- Best Principal Award
2. Dr. Mahalaxmi Mohan- Distinguished Teacher's Award
3. Dr. Suvarna A. Katti- Developing Teacher's Award.

5.9. Visiting /Adjunct faculty (5)

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.

- *Provision of visiting/adjunct faculty (2)*
- *Minimum 50 hours interaction in a year will result in 1 mark for that year; 1 marks x 3 years = 3 marks.*

Assessment Year : 2021-22	
Name of Visiting Faculty	No of Interactions(hrs)
Miss Yogita B Thombare	80 approx
Mr. Sandip S Lavande	50 approx
Mrs. Roshani S Gujrathi	45 approx
Total	117
Assessment Year: 2020-21	
Name of Visiting Faculty	No of Interactions(hrs)
Santosh E. Akade	56 approx
Total	56
Assessment Year : 2019-20	
Name of Visiting Faculty	No of Interactions(hrs)
Miss Shital J Patil	138
Mr. Santosh E. Akade	68 approx
Total	206

Sr.No	Assessment Parameters	Marks	
		Prescribed	Institute
5.1	Student-Faculty Ratio (SFR)	20	14
5.2	Faculty Cadre Proportion	20	20
5.3	Faculty Qualification	20	17.64
5.4	Faculty Retention	20	16
5.5	Innovations by the Faculty in Teaching and Learning	15	10
5.6	Faculty as participants in Faculty Development/Training Activities	15	15
5.7	Research and Development (40)		
5.7.1	Academic Research	10	3
5.7.2	Sponsored Research	10	4
5.7.3	Consultancy (from Industry)	10	--
5.7.4	Honorary Consultancy from Central/State/Local Government Organizations	05	2
5.7.5	Development activities	05	4
5.8	Faculty Performance Appraisal and Development System (FPADS)	20	15
5.9	Visiting/Adjunct/ Emeritus Faculty	05	4
	Total	175	124.64=125

CRITERION 6	Facilities and Technical Support	120
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6.1 Availability of adequate, well-equipped classrooms to meet the curriculum requirements (20)

(Facilities for conducting theory classes) College has sufficient class rooms for conducting lectures and tutorials for First year to Final year B. Pharm. students.

- Class rooms are provided with good ventilation, LCD Projectors, Audio visual aids.
- College has sufficient tutorial rooms to conduct regular tutorial classes and to conduct remedial classes for students having backlogs.
- All class rooms are equipped with facilities like green board, fans, tube lights, podium, benches and chairs with good ambience.
- Benches of good quality are available for comfort sitting of students during lecture hours, each bench can occupy two students.
- All class rooms are of size 66 sq.mt approx with adequate numbers of benches that can accommodate around 75 students in each classroom.
- Classrooms have single entry & exit point.
- Seminar hall with seating capacity of 150 persons to conduct guest lectures and workshops.
- Separate Auditorium with all ultramodern amenities having seating capacity of 200 persons is also available to conduct National and International level Seminars, Conferences etc.

Sr. No.	Room No	Room Type (Mention Class Room / Lab/ Seminar Hall/ Auditorium)	Carpet Area (In Sq. M.)
1	402	Class room	67.90
	403	Class room	66.00
	408	Class room	66.00
	409	Class room	66.00
	C201	Class room	70.56
2	B102	Tutorial room	33.00
	B106	Tutorial room	37.34
	G106	Tutorial room	49.20
	G110	Tutorial room	33.00
	504	Tutorial room	33.00
3	505	Seminar Hall	133.69
4	C101	Auditorium	257.00

6.2 Faculty rooms (10)

(Conducive sitting place)

- Separate independent HOD Cabin of size 10 sq mt. and faculty room (cabins) of size 8.00 sq.mt approx is available to accommodate all HOD's and faculty members. The faculty cabins can accommodate two staff members.
- The faculty rooms (cabins) are equipped with chairs, tables, tube lights, fans, windows for proper air circulation, intercom, computer system with internet facility through LAN.

Sr. No.	Room No.	Room type	Shared/ Exclusive	Carpet area (In Sq. M.)
1	109 201 301 401 B107	HOD Cabin (05)	Exclusive	10.00 10.00 10.00 10.00 9.26
2	G105 109 110 204 206 207 212 303 305 308 311 406	Faculty Cabin (12)	Exclusive / Shared	5.04 6.75 6.75 9.81 8.61 8.61 9.81 6.49 6.49 6.54 8.28 8.48

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

(Scientific Experiments Conducting/ Computing facilities; availability, adequacy& effectiveness)

- Sufficient laboratories including preparation room are available with required equipments and other necessary facilities.

- The facilities such as gas, water, drainage, fire extinguishers, first aid boxes, fuming (Chemistry Dept) cupboards, exhaust fans, etc., are available in each laboratory.
- In all laboratories good electrical and plumbing facilities are provided adequately.
- The B. Pharm students are allowed to use Central Instrument room for research purpose.
- The number of experiments conducted for each subject in the laboratory is followed as per the SPPU syllabus.

The list of laboratories and the contents therein are tabulated below:

Lab Description	Lab Details	Area Sq.M.	Batch size	Availability of manuals	Safety measures
G102	Pharmacology-I	75.00	20	Available	First-aid/Fire Extinguisher
G103	Pharmacology-II	75.00	20	Available	First-aid/Fire Extinguisher
G104	Pharmacology -III	75.00	20	Available	First-aid/Fire Extinguisher
105	Pharmaceutics –III	75.00	20	Available	First-aid/Fire Extinguisher
106	Quality Assurance Techniques -I	75.00	20	Available	First-aid/Fire Extinguisher
107	Quality Assurance Techniques -II	81.51	20	Available	First-aid/Fire Extinguisher
202	Pharmaceutical Chemistry –I	81.09	20	Available	First-aid/Fire Extinguisher
205	Pharmaceutical Chemistry-II	96.89	20	Available	First-aid/Fire Extinguisher
210	Pharmaceutical Chemistry-III	75.12	20	Available	First-aid/Fire Extinguisher
211	Pharmaceutical Chemistry (PG)	76.43	20	Available	First-aid/Fire Extinguisher
302	Pharmaceutics -I	80.73	20	Available	First-aid/Fire Extinguisher
306	Pharmacognosy	75.00	20	Available	First-aid/Fire Extinguisher
307	Pharmacognosy (PG)	76.58	20	Available	First-aid/Fire Extinguisher
309	Pharmaceutics-II	76.96	20	Available	First-aid/Fire Extinguisher

405	Pharmaceutics (PG)	75.00	20	Available	First-aid/Fire Extinguisher
B103	Machine room	75.12	20	Available	First-aid/Fire Extinguisher
D101	Central Instrument Room	107.12	20	Available	First-aid/Fire Extinguisher
AM8	Animal House	75.82	20	Available	First-aid/Fire Extinguisher
B101	Computer Room & Language Lab	75.27	20	Available	First-aid/Fire Extinguisher
	Pharmacology (PG)	90.00	20	Available	First-aid/Fire Extinguisher

Details of Laboratories:

Department: Pharmaceutical Chemistry (UG)							
Sr. No	Lab Description (Name with Lab No)	Batch size	Area (Sq. m)	Availability of Manuals	Quality of instruments	Safety measures	Remarks
1	Pharmaceutical Chemistry-I (202)	20	81.09	Available	Good	First-aid/Fire extinguisher	Pharmaceutical Organic Chemistry I, Pharmaceutical Organic Chemistry III, Pharmaceutical Organic Chemistry IV, Medicinal Chemistry III & IV
2	Pharmaceutical Chemistry-II (205)	20	96.89	Available	Good	First-aid/Fire extinguisher	Pharmaceutical Analysis I, Pharmaceutical Analysis II, Pharmaceutical Analysis- III & IV, Pharmaceutical Analysis-V&VI.
3	Pharmaceutical Chemistry-III (210)	20	75.12	Available	Good	First-aid/Fire Extinguisher	Pharma Inorganic Chem, Pharma Biochem, Medicinal Chem I and II, Pathophysiology and Clinical Biochemistry
Department: Pharmaceutical Chemistry (PG)							

Sr. No.	Lab Description (Name with Lab No)	Batch size	Area (Sq. m.)	Availability of Manuals	Quality of instruments	Safety measures	Remarks
1	Pharmaceutical Chemistry-PG (201)	20	76.43	Available	Good	First-aid/ Fire Extinguisher	Advanced. Pharmaceutical Chemistry, Advanced Medicinal Chemistry, Advanced Analytical Techniques & Pharmaceutical Chemistry-I
Department: Pharmaceutics (UG)							
Sr. No.	Lab Description (Name with Lab No)	Batch size	Area (Sq. m.)	Availability of Manuals	Quality of instruments	Safety measures	Remark
1	Pharmaceutics-I (302)	20	80.73	Available	Good	First-aid/ Fire Extinguisher	Pharmaceutics-I, Industrial Pharmacy-I, Industrial Pharmacy II, Cosmetic science
2	Pharmaceutics-II (309)	20	76.96	Available	Good	First-aid/ Fire Extinguisher	Physical Pharmaceutics I, Physical Pharmaceutics II, Sterile Products, Advanced drug delivery System, Pharm. Microbiology and Immunology.
3	Machine Room (B103)	20	75.12	Available	Good	First-aid/ Fire Extinguisher	Formulation of various dosage forms.
Department: Pharmaceutics (PG)							
Sr. No.	Lab Description (Name with Lab No)	Batch size	Area (Sq. m.)	Availability of Manuals	Quality of instruments	Safety Measures	Remarks
1	Pharmaceutics (PG) (405)	20	75.00	Available	Good	First-aid/ Fire Extinguisher	Advanced Pharmaceutics - I and II
Department: Pharmacology (UG)							
Sr. No	Lab Description (Name with Lab No)	Batch size	Area (Sq. m.)	Availability of Manuals	Quality of instruments	Safety Measures	Remarks

					nts		
1	Pharmacology-I (G-102)	20	75	Available	Good	First-aid/ Fire Extinguisher	HAP
2	Pharmacology-II (G-103)	20	75	Available	Good	First-aid/ Fire Extinguisher	Pharmacology II and III Pharmacology IV and V
3	Animal House (AM8)	--	75.82	Available	Good	First-aid/ Fire Extinguisher	Experimental Pharmacology
Department: Pharmacology (PG)							
1	Pharmacology- (PG) (F-01)	20	96.44	Available	Available	First-aid/ Fire Extinguisher	Pharmacology practical I & II
Department: Pharmacognosy (UG)							
Sr. No.	Lab Description (Name with Lab No)	Batch size	Area (Sq. m.)	Availabili ty of Manuals	Quality of instrume nts	Safety Measures	Remarks
1	Pharmacognosy (306)	20	75	Available	Good	First-aid/ Fire Extinguisher	Pharmacognosy-I, Pharmacognosy Phytochemistry I, Pharmacognosy Phytochemistry II, APET, Natural Product Chemistry, Natural Product Technology
Department: Pharmacognosy (PG)							
1	Pharmacognosy (PG) (307)	20	76.58	Available	Good	First-aid/ Fire Extinguisher	Advanced Pharmacognosy- I& II
Department: Quality Assurance Techniques (PG)							
Sr. No.	Lab Description (Name with Lab No)	Batch size	Area (Sq. m.)	Availabili ty of Manuals	Quality of instrume nts	Safety Measures	Remarks
1	Pharmaceutical Quality Assurance -I (106)	20	75	Available	Good	First-aid/ Fire Extinguisher	Advanced Quality Assurance Techniques. Pharmaceutical Validation
2	Pharmaceutical Quality Assurance -II (107)	20	81.51	Available	Good	First-aid/ Fire Extinguisher	Pharmaceutical Quality Assurance
Central Instrument Room							
1	Central Instrument Room (D101)	20	107.1 2	Available	Good	First-aid/ Fire Extinguisher	Quality control

Department: Computer							
1	Computer Room & Language Lab (B101)	20	75.27	Available	Good/ Latest configuration	First-aid/ Fire Extinguisher	Computer Applications, Communication Skills

The details of the list of instruments and equipments available are tabulated below:

Central Instrument Room					
Sr. No	Name of Instrument	Make/Model	Year of Purchase	Code	SOP/Log books
1.	UV– Spectrophotometer	Shimadzu 2450	2006	MGV'S/MPC/Ins Room PG/2006/M/ Shimadzu 24501-1	Available
2.	DSC	Shimadzu DSC -60	2006	MGV'S/MPC/Inst Room PG/2006/07 1-1 DSC	Available
3.	GC-MS	Shimadzu QP – 2010	2006	MGV'S/MPC/Inst Room PG/2006/07/GC MS 1-1	Available
4.	FTIR	Shimadzu 84005	2006	MGV'S/ MPC/Inst Room PG/2006/07/FTIR 8400 Shimadzu 1-1	Available
5.	Viscometer	Brookfield LDVI + Pro	2006	MGV'S/MPC/Inst Room PG/2006/07/B.Viscometer 1-1	Available
6.	GC	Chemito GC - 8610	1998	MGV'S/MPC/Inst Room PG/1998-99/GC-1-1.	Available
7.	AAS	Chemito AA-203	2004	MGV'S/MPC/Inst Room PG/2004/05 AAS 1-1.	Available
8.	HPLC	Water 515 HPLC PUMP	2011	MGV'S/MPC/Inst Room PG/2012-13/HPLC/1-1.	Available
9.	HPTLC	Camag Camag	2007	MGV'S/MPC/Inst Room PG/2006-07/HPTLC 1-1.	Available
10	Freeze dryer	Martin Crist Alpha 2-4 LD Plus	2014	MGV'S/MPC/Inst Room PG/2014-15/Freeze Dryer/1-1.	Available
11	UV Spectrophotometer	Shimadzu UV2006	2018	MGV'S/MPC/Inst Room PG/2017-18/UV-Spectrophotometer/1-1	Available
12	FTIR	Shimadzu	2018	MGV'S/MPC/Inst Room PG/2017-18/FTIR/1-1	Available
Machine Room Instruments					
Sr. No.	Name of Instrument	Make/Model	Year of Purchase	Code	SOP

1	Tablet Disintegration App.	Kumar	2006	MGV'S/PC/P'ceutics/TDM-1.	Available
2	Tablet Compression Machine	General Machinery Company Model- JM-10	2002	MGV'S/PC/P'ceutics/TCM/01	Available
3	Tablet Compression Machine	Shiv Pharma Engg, India	2013	MGV'S/PC/P'ceutics/TCM/02	Available
4	Digital Polarimeter	Dolphine Model-1079	2004	MGV'S/PC/P'ceutics/DP-1	Available
5	Friability Test App	Kumar KI.91/01	2008	MGV'S/PC/P'ceutics/FTA-1	Available
6	Distillation Unit	Tempo	2008	MGV'S/PC/P'ceutics/DU -1	Available
7	Wet Granulator	Kalweka	2003	MGV'S/PC/P'ceutics/WG/03/04	Available
8	Dosing Filling for Liquid	Kalweka	2003	MGV'S/PC/P'ceutics/DF/03/04	Available
9	Pan Coater	Kalweka	2003	MGV'S/PC/P'ceutics/PC/03/04	Available
10	Homogeniser	Kalweka	2007	MGV'S/PC/P'ceutics/H/01	Available
11	Infra Red Lamp	Sunny	2006	MGV'S/PC/P'ceutics/IRL -1	Available
12	Agitator for Liquid	Kalweka	2003	MGV'S/PC/P'ceutics/AFL/03/04	Available
13	Filling & Moulding of Suppositories	Kalweka	2003	MGV'S/PC/P'ceutics/FMS/03/04	Available
14	Planetary Mixer	Kalweka	2003	MGV'S/PC/P'ceutics/PM/03/04	Available
15	Dosing Filling for Ointment	Kalweka	2003	MGV'S/PC/P'ceutics/DFO/03/04	Available
16	Sieve Shaker	Kalweka	2003	MGV'S/PC/P'ceutics/SS/03/04	Available
17	Dry Granulator	Kalweka	2003	MGV'S/PC/P'ceutics/DG/03/04	Available
18	Powder Mixer	Kalweka	2003-04	MGV'S/PC/P'ceutics/PM/03/04	Available

19	Air Compressor	Kalweka	/2005	MGV'S/PC/P'ceutics/AC-I	Available
20	Coating Pan	Kalweka	2003	MGV'S/PC/P'ceutics/CP-1/03/04	Available
21	Polishing Drum	Kalweka	2003	MGV'S/PC/P'ceutics/PD-1/03/04	Available
22	Pellatizer	Kalweka	2003	MGV'S/PC/P'ceutics/PEL-1/03/04	Available
24	Kalweka Rimek (Maindrive)	Kalweka	2003	MGV'S/PC/P'ceutics/Kel -1 03/04	Available
25	UV Spectrophotometer	Shimadzu Model- UV-120-02	2002	MGV'S/PC/P'Ceutics/UV-2	Available (Under maintenance)
26	Tablet Hardness tester (Monsanto)	Kumar	2006	MGV'S/PC/P'Ceutics/HT-1 & HT-2	Available
27	Centrifuge	REMI	2017-18	MGV'S/PC/P'Ceutics/CNTRG/1-2	Available
28	Centrifuge	Biolab	2017-18	MGV'S/PC/P'Ceutics/CNTRG/2-2	Available
29	IR Balance	SAKOVA	2017-18	MGV'S/PC/P'Ceutics/IRB/1 -1	Available

Department: Pharmaceutical Chemistry

Sr. No.	Name of Instrument	Make / Model	Year of Purchase	Code	SOP
1	Visible Spectrophotometer	Make- Chemito 215 D	2004	Mgvpc/Inst.R102/97-98/1-4	Available
2	Visible Spectrophotometer	Make- Chemito. 215D	1997	Mgvpc/Inst.R102/97-98/1-4	Available
3	Visible spectrophotometer	Chemito 215D	1997	Mgvpc/Inst.R102/97-98/1-2	Available
4	Conductivity Meter	Make-Toshwin Model No- TCM15	2010	Mgvpc/Inst.R102/10-11/1-4	Available
5	Centrifuge Machine	Make-Universal Motors R-303 10-93	1997	Mgvpc/Inst.R102/97-98/1-4	Available
6	Fluorimeter	Make- ELICO.	2014	Mgvpc/Inst.R102/14-15/1-4	Available

		Model no.-CL-53			
7	Digital PH Meter	Make- Analab. Model No-1079	2003	Mgvpc/Inst.R102/05-06/1-1	Available
8	Abbe's Refractometer	Make-Rajdhani Scientific Instrumentations co, New Delhi. Model No-28 R I	2017	Mgvpc/bcud/inst102/16-17/01-02	Available
9	Flame Photometry	Make-ELICO. Model No-CL 378	2013	Mgvpc/Inst.R102/13-14/1-1	Available
10	Digital PH/Conductivity Meter	Make-LAB India. Model No- 6E404	2003	Mgvpc/Inst.R102/05-06/1-1	Available
11	Polarimeter	Make- Rajdhani Scientific Instrumentations co., New Delhi. Model No-PA-1R	2017	Mgvpc/bcud/inst102/16-17/02-02	Available
12	Distillation Unit	Make-Esteem Industries. INC. Model No-CSTW 503	2017	Mgvpc/Inst.R102/17-18/1-2	Available
13	Distillation Unit (Glass)	Make- Borosil / D.A.P.S. Controller Model No.- 336/-40 Lit/hr	2014	Mgvpc/Inst.R102/14-15/1-1	Available
14	Digital Nephelo-Turbidity meter 132	Model No. 132	2005-06	Mgvpc/Inst.R102/05-06/1-2	Available
15	Magnetic Stirrer	RemiEquipments CEQ 666	2004	MGV/02/04-05/01/01	Available
16	Digital Ph/Conductivity meter	Make-LABINDIA Model no-6E404	2003	MGV/102/03-04/01/04	Available
17	Digital PH meter	ANALAB PH Cal	2003	MGV/102/03-04/01/01	Available
18	µp Controlled PH analyser	LABINDIA Pc 03071202	2005-06	MGV/102/05-06/01/01	Available

19	Autoranging conductivity & TDS meter	Make-Toshcon Model-TCM15+	2003	MGV/102/03/04/01/01	Available
20	Digital Balance	Phoenix 300gm gold	2017	MGV/2017-2018/PC-01/02	Available
21	Vacuum Pump (Small)	Bio Technics India model- SV-11	1998/1999	MGVPC/1998-99/01/01	Available
22	Vacuum Pump (Big)	BTI BioTechnics India model- SV-13	2010	MGVPC/1998-99/01/01	Available
23	Oven	Dolphin	2015	MGVPC/1998/99/01/01	Available
24	Heating Mantle	BioTechnics India Sr.No.2461, 8975, 2156	2006	MGVPC/HM/2006/01/03 MGVPC/HM/2006/02/03 MGVPC/HM/2006/03/03	Available
25	Water bath	BioTechnics India BIJ-017	2006	MGVPC/WB/2006/01	Available
26	Ice Maker (Ellanpro)	01 no Model EIM-15	14-15	MGVPC/101/14-15/01-01	Available
27	Ice crusher	Assembled	2006	MGVPC/1998/99/01/01	Available
28	Microwave Oven	Catalyst System	2007	MGV/MPC/P'chem 2007/08/01/01	Available
29	Vacuum Pump single Stage Monoblock S (Oil based)	Rohini	2007	MGV/MPC/P'chem 2007/08/VP/01/01	Available
30	Melting Point Apparatus	Kumar VMP-D	2007	MGV/MPC/P'chem 2006/07/01/01	Available
31	Hot Air Oven 18X18X8	Expo	2006	MGV/MPC/P'chem 2006/07/01/01	Available
32	U.V.Cabinet 37x30x30 (LXBXH)	Prama Instruments Pvt Ltd Kompact U.V Cabinet	2016	MGV/MPC/P'chem 2016/2017/UV/01	Available
33	Electronic High Precision balance Capacity 0.01 gm to 300 gm; accuracy	Gill	2016	MGV/MPC/P'chem 2016/2017/C Bal/01	Available
34	Vacuum Pump oil free	Orchid Scientific	2017	MGV/MPC/P'chem 2017/18/VP/02	Available

35	Eyewash Shower	Unicare	2019	MGV/MPC/P'chem 2019/Eyewasher/01-01	Available
36	Hot Plate MT 2019	MT	2019	MGV/BCUD 202/2019/01-01	Available
37	IR lamp	MT	2019	MGV/MPC/P'chem 2019/IRLAMP/01-01	Available

Department: Pharmaceutics

Sr.No.	Name of Instrument	Make/Model	Year of Purchase	Code	SOP
1	Dissolution Tester	Electrolab-EDT-O8LX	2013	MGV PC/201/ Pharmaceutics/ 2013-14/1/02	Available
2	Hot Air Oven	Bio-Techniques India	2006	MGV/PC/P'Ceutics/HAO-1	Available
3	Bulk Density Apparatus	Kumar Industries	1999	MGV PC/B.Pharm/ Pharmaceutics/ BDA-1	Available
4	Digital Weighing Balance	Wensor	2016	MGV/PC/P'Ceutics/DWB-1	Available
5	Centrifuge	Medica Instruments (D'sco Lab Equipments	2004	MGV PC/B.Pharm/ Pharmaceutics/CF-1	Available
6	Centrifuge	Biolab Instruments	2004	MGV PC/B.Pharm/ Pharmaceutics/CF-2	Available(Under Maintenance)
7	Thermostatic Water bath	Bio-Techniques India	2004	MGV PC/B.Pharm/ Pharmaceutics/ TWB-1	Available
8	Digital Friability Test Apparatus	Electronics India Ltd, Model 902	2015	MGVs PC/B.Pharm/DFT/P'ceuticsdept	Available
9	Tablet Disintegration Apparatus	Electronics India Ltd	2015	MGVs /PC/B.Pharm/TDA/P'ceutics dept	Available
10	Incubator	Tempo Instrument Pvt Ltd	1994	MGVs /PC/B.Pharm/Inc U-1/P'ceuticsdept	Available
11	Hot Air Oven	Bio-Technique India /BTI 10	2006	MGVs /PC/B.Pharm/HAO-1/P'ceuticsdept	Available
12	Hot Plate	Bio-Technique India	2006	MGVs /PC/B.Pharm/HP-1/P'ceuticsdept	Available
13	Vacuum Pump	Pci	2016	MGVs /PC/B.Pharm/VP-1/P'ceuticsdept	Available

14	Autoclave	Bio-Technique India	2006	MGVs /PC/B.Pharm/ Auto-1/P'ceuticsdept	Available
15	Electronic Balance	Phoenix	2007	MGVs/PC/B.pharm/EB-1	Available
16	Freeze	Godrej	2012/13	MGVs/PC/B.Pharm/P'ceuticsdept/ Freeze/12-13	Available
17	Clarity Test Apparatus	Assembled	1996	MGV'S/PC/P'ceutics III/ACTA-1	Available
18	Ampoule Washing Machine	Assembled	1997	MGV/PC/P'ceutics-III/AWM -1	Available
19	Stainless Steel Vessel	Assembled	2005	MGV'S/PC/P'ceutics III/SST-1	Available
20	Membrane Filtration Assembly	Assembled	2005	MGV'S/PC/P'ceutics –III/MFA-1	Available
21	Laminar Air Flow	Microfit India	1996	MGV'S/PC/P'ceutics –III/LAF -1	Available
22	Air Conditioner	A.C. Voltas	2000	MGV'S/PC/P'ceutics –III/AC –1	NA
23	Stability Chamber	Thermolab/TH0000090S	2008	MGV/MPC/Pharmaceutics/SC/1-1	Available
24	Orbital Shaking Incubator	REMI/DG5-2	2008	MGV/MPC/Pharmaceutics/SI/t-1	Available
25	Vaccum Pump	Biotechnics India BTI-28	2007	MGV/MPC/Pharmaceutics/VP/1-1	Available
26	Rotary Vaccum Evaporator	Sonar/ VRE-T	2008	MGV/MPC/Pharmaceutics/RVE/1-1	Available
27	Waterbath-Thermostat	Biotechnics India BTI-33	2008	MGV/MPC/Pharmaceutics/WT/1-1	Available
28	Homogenizer	REMI RQ-122	2008	MGV/MPC/Pharmaceutics/H/1-1	Available
29	Magnetic Stirrer	REMI 2MLH	2007	MGV/MPC/Pharmaceutics/MS/1-1	Available
30	Hot air oven	Biotechnics India BTI-10	2004	MGV/MPC/Pharmaceutics/HA OB/1-1	Available
31	Hot air oven	Biotechnics India BTI-18	2008	MGV/MPC/Pharmaceutics/HA OB/1-2	Available

32	Centrifuge	BioLab	2007	MGV/MPC/Pharmaceutics/CNT RG/1-1	Available
33	Weighing Balance	Wensor 1706870	2017	MGV/MPC/Pharmaceutics/E.Ba l/1-2	Available
34	Hot Plate	Biotechnics India BTI-14	2007	MGV/MPC/Pharmaceutics/HP/1 -1	Available
35	Magnetic Stirrer (Remi) (Remi)	(Remi) Available	2018	MGV/PC/P'ceutics /MS-1&2	Available
36	Electronic Balance (Essae&Sun su	Essae& Sunsu	2017-18	MGV/PC/P'ceutics /EB-1to2	Available
37	Tube Crimping Machine (Labline)	Labline	2018	MGV/PC/P'ceutics /CM-1	Available
38	Probe Sonicator	ATP-250	2020 (3/3/2020)	MGV'S/PC/Pharmaceutics/BCU D/OH/01-01 19-20	Available

Department: Pharmacology

Sr.No.	Name of Instrument	Make/Model	Year of Purchase	Code	SOP
1	Power Lab AD	AD Instrument	2005	MGV/MPC/COL/PG/5-06/01	Available
2	Plethysmometer	UGO Basile	2005	MGV/MPC/COL/PG/5-06/01	Available
3	Student Physiograph	Inco	2008	MGV/MPC/COL/PG/7-08/01	Available
4	Electronic Semi microbalance	Shimadzu	2006	MGV/MPC/COL/PG/6-07/01	Available
5	Centrifuge	REMI	2007	MGV/MPC/COL/PG/7-08	Available
6	Weighing Balance (6kg)	Essac	2005	MGV/MPC/COL/PG/5-06	Available
7	Sherrington Drum E/8	Spacelab	2007	MGV/MPC/COL/PG/6-07/1-10	Available
8	Cyclomixer (M101D)	REMI	2006	MGV/MPC/COL/PG/6-07/01	Available
9	Homogenizer	R/Q 127 A REMI	2007	MGV/MPC/COL/PG/7-08/01	Available
10	Rotarod Apparatus	Teknik	2005	MGV/MPC/COL/PG/5-06/01	Available

11	Magnetic Stirrer with Hot Plate	HEM Pune	2006	MGV/MPC/COL/PG/6-07/01	Available
12	Actophotometer (BCUD)	CosLab	2010	MGV/MPC/COL/PG/9-10/01	Available
13	Electroconvulsimeter	COSLAB	2011	MGV/MPC/COL/PG/11-12/01	Available
14	Electroconvulsimeter	MVTEX	1996	MGV/MPC/COL/PG/96-97/01	Available
15	Tissue Homogenizer	Eltek	2007	MGV/MPC/COL/PG/07-08/01	Available
16	Colorimeter Digital	HANS161	2007	MGV/MPC/COL/PG/7-08/01	Available
17	Digital Rotating Drum (BCUD)	ORCHID Scientific Lab	2015	MGV/MPC/COL/PG/15-16/01	Available
18	Student Organ bath	Space	2007	MGV/MPC/COL/PG/06-07/1-6	Available
19	Deep Freezer	MackPharmaTech	2017	MGV/MPC/COL/PG/17-18/01	Available
20	Analgesimeter (EDDY's Hot Plate)	Orchid Scientific Lab	2017	MGV/MPC/COL/17-18/01	Available
21	Euthenasia Chamber	Orchid Scientific Lab	2017	MGV/MPC/COL/17-18/01	Available
22	Digital Balance (600/0.01g)	Orchid Scientific Lab	2017	MGV/MPC/COL/17-18	Available
23	Electro convulsion meter	Orchid Scientific Lab	2017	MGV/MPC/COL/17-18	Available
24	Digital Sherrington Rotating Drum.	Orchid Scientific Lab	2017	MGV/MPC/COL/17-18	Available
25	Elevated Plus Maze	Orchid Scientific Lab	2017	MGV/MPC/COL/17-18	Available
26	T-Maze	Orchid Scientific Lab	2017	MGV/MPC/COL/17-18	Available
27	Complete Set for PP Rat Cage	Orchid Scientific Lab	2017	MGV/MPC/COL/17-18	Available
28	Animal Cage for Rat	Orchid Scientific Lab	2017	MGV/MPC/COL/17-18	Available
29	Animal Restrainer for Mice	Orchid Scientific Lab	2017	MGV/MPC/COL/17-18	Available
30	Animal Restrainer	Orchid Scientific	2017	MGV/MPC/COL/17-18	Available

	for Rat	Lab			
31	Y-Maze	Orchid Scientific Lab	2017	MGV/MPC/COL/17-18	Available
32	Morris Water Maze with Stand	Orchid Scientific Lab	2017	MGV/MPC/COL/17-18	Available
33	Novel Object Recognition Test Apparatus	Orchid Scientific Lab	2017	MGV/MPC/COL/17-18	Available
34	Digital Grip strength meter	Orchid Scientific Lab	2017	MGV/MPC/COL/17-18	Available
35	Student's Organ Bath	Orchid Scientific Lab	2017	MGV/MPC/COL/17-18	Available
36	Animal Cage for Mice-PP	Orchid Scientific Lab	2017	MGV/MPC/COL/17-18	Available
37	SARTSE (Flat Bottom)	Orchid Scientific Lab	2017	MGV/MPC/COL/17-18	Available
38	Radial Arm Maze	Orchid Scientific Lab	2017	MGV/MPC/COL/17-18	Available
39	Open Field Apparatus	Orchid Scientific Lab	2017	MGV/MPC/COL/17-18	Available
40	Tail Suspension Apparatus	Orchid Scientific Lab	2017	MGV/MPC/COL/17-18	Available
41	Sherrington Rotating Digital Drum	Orchid Scientific Lab	2016	MGV/PC/COL/16-17/1-10	Available
42	Spirometer	Coslab	2014	MGV/PC/COL/13-14/01	Available
43	Sherrington Rotating Drum	Space	1997	MGV/PC/COL/97-98/09	Available
44	Organ Bath	Orchid	2016	MGV/PC/COL/16-17/1to 10	Available
45	Refrigerator (50 litres)	GEM MakeGRDN-70HSWP	2021-22	MGV/MPC/COL/PG/21-22/01	Available
46	Powerlab 4/35	Powerlab4/35 ADInstruments, Australia (AICTEMODROB 2020- 21)	2021-22	MGV/MPC/COL/PG/21-22/01	Available

Department: Pharmacognosy					
Sr. No.	Name of Instrument	Make/Model	Year of Purchase	Code	SOP
1	Refrigerator	Godrej Eon	2012	MGV/PC/P'cognosy/2012-13/1	Available
2	Hot Plate	Modern Industries	2007	MGV/PC/P'cognosy/HP-1	Available
3	Melting point apparatus	Modern Industries	2007	MI-34 MGV/PC/P'cognosy/MPA-1	Available
4	Hot air Oven	SSi ®	2004	HAO-1 MGV/PC/P'cognosy/HAO-1	Available
5	Heating Mantle	Biotechniques India	2006	MGV/PC/P'cognosy/HM-1to 9	Available
6	Compound microscope No.20	Coslab	2014	MGV/PC/P'cognosy/Com mic-1to 20	Available
7	Microscope mono ocular	Coslab	2012	MGV/PC/P'cognosy/Micro-1	Available
8	Muffle Furnace (Lab Instrument)	Fourtech Star LSI31	2007	HP-MGV/PC/P'cognosy/MF-1	Available
9	Rotary Vacuum Evaporator (Medical Instruments MFG.CO.)	Equitran	2006	MGV/PC/P'cognosy/RVE -1	Available
10	Compound Microscope (Besto)new	Besto	2017	MGV/PC/ P'cognosy /mic1no-mic15nos	Available
11	Microscope 6v/20w(Besto)	Besto	2017	MGV/PC/ P'cognosy /mic.1no	Available
12	Disecting Microscope	Besto	2017	MGV/PC/ P'cognosy /mic.1no-mic15	Available
13	U V Cabinate	Kom pakt	2014	MGV/PC/ P'cognosy /UV-1no	Available
Department: Quality Assurance Techniques (PG)					
Sr. No.	Name of Instrument	Make/ Model	Year of Purchase	Code	SOP

1	Tablet Dissolution Tester Basic Machine with Water Bath Sr.No. – 1303136 Basket & Basket Shaft Box No. of Basket-08 No. of Shaft-08	Electorlab India, EDT 08LX	2013	MGV'SMP/QA/TDT/2013-14/1-1	Available
2	Weighing Balance	Citizen CG 203	2014	MGV'SMP/QA/BC/2014-15/1-1	Available
3	Water Distiller	Esteem Industries Inc ESTW 5-0B	2017	MGV'SMP/QA/WD/2017-18/1-1	Available
4	Balance	Wensar Weighing Scales PGB 630 Class II	2017	MGV'SMP/QA/BW/2017-18/1-1	Available

Department: Computer					
Sr. No	Type	Specifications	Make & model	Year of purchase	Sr.No/Model No.
1.	P-III Server	SDRAM540MB,256GBHDD	HCL	1999	PH/CompLab/PC1
2.	Compaq P-IV	SDRAM2MB,256GBHDD	COMPAQ	2002	PH/CompLab/PC2 PH/CompLab/PC3 PH/CompLab/PC4 PH/CompLab/PC5 PH/CompLab/PC6 PH/CompLab/PC7
3.	HP Pavillion P-IV(Combo drive)	SDRAM3MB,256GBHDD	HP	2002	PH/CompLab/PC8
4.	Zenith –P-IV	SDRAM2MB,256GBHDD	ZENITH	2005	PH/CompLab/PC9 PH/CompLab/PC10 PH/CompLab/PC11 PH/CompLab/PC12 PH/CompLab/PC13
5.	Acer–P-(R) (New)	Intel® 2GBRAM,540HDD	ACER	2012	PH/CompLab/PC14 PH/CompLab/PC15 PH/CompLab/PC16 PH/CompLab/PC17 PH/CompLab/PC18 PH/CompLab/PC19

					PH/CompLab/PC20 PH/CompLab/PC21 PH/CompLab/PC22
6.	Dell- Optiplex- 755intel core-2 1.97 & 152	Optiplex-755intel core-2 1.97 & 152	DELL	2016	PH/CompLab/DO/23 PH/CompLab/DO/24 PH/CompLab/DO/25 PH/CompLab/DO/26 PH/CompLab/DO/27 PH/CompLab/DO/28 PH/CompLab/DO/29 PH/CompLab/DO/30 PH/CompLab/DO/31 PH/CompLab/DO/32 PH/CompLab/DO/33 PH/CompLab/DO/34 PH/CompLab/DO/35 PH/CompLab/DO/36 PH/CompLab/DO/37 PH/CompLab/DO/38 PH/CompLab/DO/39 PH/CompLab/DO/40 PH/CompLab/DO/41 PH/CompLab/DO/42 PH/CompLab/DO/43 PH/CompLab/DO/44 PH/CompLab/DO/45
7.	Printer	HP LaserJet-1020	HP	2016	PH/CompLab/Printer-2
8.	Scanner	CANNON I20	CANNON	2017	PH/CompLab/scan-1
9.	LCD Projector	PRO/SVGA	Kyan	2014	PH/CompLab/LCD-1
10.	T.V. Set	48inch- smart curve	Samsung	2015	PH/CompLab/TV-1
11.	Scanner	HP LaserJet-1020	HP	2016	PH/CompLab/scan-1 PH/CompLab/scan-2

Common Instructional Facilities: Central Library including Reading Room

Description	Details	Area Sq.M.	Salient Features
503 A &	Central Library including	164.38	<ul style="list-style-type: none"> Good ambience

503B	Reading Room		<ul style="list-style-type: none"> Sufficient number of books Central Reprographic facility National & International Journals Computer facility with LAN & internet Essential library software
Sr.No	Library Details		Vol./No.
1	Total numbers of Books		11838
2	Titles of Books		3100
3	Circulation of Books		11048
4	Reference Books		791
5	M Pharma Books (Pharmaceutics-385, Pharmacology - 458, Pharmacognosy-362, Pharma chemistry-603, Quality Assurance-78)		1896
6	B Pharma Books		9940
7	Newly Magazine / Journals Subscribed (98,908/-)		50
8	E-Journal -DELNET		161 journals
9	Pharmacopoeia (IP, BP, USP,)		99
10	Biographies		25
11	Encyclopedia		38
12	Dictionaries		72
13	PhD Thesis		04
14	Atlas		26
15	Marathi Books		190

16	General Knowledge Books	273
17	Monographs	10
18	E-Books	5700
19	CD's (B pharm & M pharm)	638
20	Project (B pharm & M pharm)	1010
21	Chemical Abstract (Year 1709 to 1985= Rs. 1,75,000/-)	780
	Total Amount Since 1993 to 2021	Rs. 46,08,534/-

Library Services –

1. Digital Library
2. Earn & learn Scheme, 2 students worked in library.
3. NPTEL videos available for students.
4. SPPU's Jayakar library E- library service available for students, many E- resources are available for students.
5. Reference service is available for PhD students as well as Master degree students.
6. Inter library loan service, (LVH College, MBA College)
7. Faculty publication E-copies available (total – 98 research papers)
8. Paper cutting & display (current awareness service)
9. E-mail service as per demand.

6.4 Drug Museum (20)

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

The museum contains the show- casing of marketed products and products made by students. It includes various marketed formulations like Tablets, Capsules, Liquid Orals, Topicals, Medicated Powders, Drops, Aerosols, Cosmetics, Parenteral, Ear Drops, Nasal-Drops, Packaging materials like Ampoules and Vials as well as surgical products. The museum of various marketed formulations is located at the center of Ground floor and Third floor.

Museum of crude drugs is located in Pharmacognosy laboratory. All crude drugs are displayed in transparent containers with proper labels on it. The museum is designed to provide separate sections for various categories of products. Cleanliness of museum is

maintained time to time. The list of products displayed in drug museum is given in tables below.

Section A-Tablets		
Sr. No.	Brand Name	Content
1	Metron 200	Metronidazole
2	Ranixime 200	Cefixime
3	Pentab D	Pantoprazole
4	Doxil 100	Doxycycline
5	Amploguard-S	Amlodipine
6	Cephbid	Cefadroxil
7	Etava ER 600	Etodolac
8	Health lite	Ferrous Sulphate, folic acid
9	Folvite	Folic acid
10	Takatak	Diclofenac , paracetamol
11	Cefadex 125	Cefalexin
12	Celestone	Betamethasone
13	Movon-P	Aceclofenacparacetamol
14	O-win O2	Oflaxacin – ornidazole
15	Pantosec	Pantoprazole
16	DSP	Diclofenac, paracetamol, seretopeptide
17	Kelac	Ketorolac
18	Pacimol 650	Paracetamol
19	Calpol Plus	Paracetamol, Ibuprofen
Section B- Capsules		
Sr. No.	Brand Name	Content
20	Megaclox	Amphicilin, Dicloxacin
21	ME-PR	Pregabilin , Mecobalamine
22	Rinifol	Ranitidine
23	Clopikind AS-75	Clopidogril, Aspirin
24	Razo-L	Rabeprazole

Pharmaceutics Museum (Ground Floor)

Section C- Liquid Orals		
25	Mextra-P	Phenylephrine, chlorpheniramine, paracetamol
26	T-minic	Phenylephrine, chlorpheniramine, paracetamol
27	Lupifit	Calcium pantothenate, Cholecalciferol
28	Azithral	Azithromycin
29	Emset	Ondansetran
30	Gipasulide	Cefrodoxin, proxitil
31	Domstal	Domperidone
32	Power- Gil	Simethicone, Metronidazole, Norfloxacin
33	Ibuprom	Ibuprofen
Section D-Topicals		
34	Hexigel	Chlorhexidinegluconate
35	Mucopain	Benzocaine
36	Anovate	Beclomethasone
37	Fast relief	Ayurvedic balm
38	Pacitrex	Calsipotriol
39	Siloderm	Calamine, cetrimide
40	Tiger balm	Herbal
41	Brugel	Flubiprofen
Section E- Medicated powders		
42	ORS	Nacl, Kcl, Na citrate, Dextrose
43	Electral	Nacl, Kcl, Na citrate, Dextrose
44	Electrobion	Nacl, Kcl, Na citrate, Dextrose
45	Lactifibre	Lactital monohydrate
45		
Section F- Drops		
46	I-lube	Calbiotic , lubistarcme
47	FML- T	Tobramycin
48	Otex AC	Lidocaine, Clotrimazole, Furosemide
49	V-KUL	Chlorpheniramine, HPMC, Naphazoline
50	Zenox- D	Oflaxacin , dexamethasone
51	Mosi D	Moxifloxacin, Carbamazepine
52	Alocril	Nedocromil
53	Zoxan D	Ciprofloxacin, Dexamethasone
Section G –Aerosols		
54	Ordant	Ofloxacin, Ornidazole
55	Asthaline	Salbutamol
56	Serofo	Salmeterol, Fluticonazole
Section H -Cosmetics		
57	Dove Conditioners	-
58	Oraguard mouthwash	-
59	Ponds talcum powder	-
60	Lipcare	-
61	Sensitran deodorant	-
62	Cinthol deodorant	-
63	Setwet deodorant	-
64	Gillette shaving	-
65	Cool body	-

Pharmaceutics Museum (Third Floor)

Sr. No.	Brand Name	Content
Section A- Parenterals		
1	RL	Lactic acid, NaCl, KCl,
2	Intralipid 20%	Pur. Soya Oil, Glycerol unhyrous, NaOH
3	Water for Injection	Dextrose 25 %
4	Peritoneal Dialysis	Dextrose, NaCl, sodium acetate, CaCl ₂ , MgCl ₂
Section B-Ear drops		
5	Candi Biotic	Chloramphenicol, Beclomethasone, clotromazole
6	Aqua soft	Polyhexanide, polaxomerhyppromellose, Na. phosphate buffer
7	Predmet	Prednisolone acetate
8	Gentalab	Gentamycin, HPMC
9	Preds- O	Prednisolone, ofloxacin
10	Ciplox-D	Dexamethasone, ciprofloxacin
Section C-Nasal drops		
11	Duonas	Azalastine HCL, Fluticasone
12	Flomist	Azalastine HCL, Fluticasone
13	Symbicort	Budesonide, Formeterol
14	Nasivion	Oxymetasoline HCL
Section D-Packaging Material		
15	Bellow type dropper	
16	Polypress type dropper	
17	Measuring caps	
18	HD opaque bottles	
19	Rubber closures	
Section E-Ampoules & vials		
20	Cefriaxone& salbuctum	
21	Etamsylate	
22	Taxim	Cefodixime
23	Susten 100	Progesterone
24	Adrenalin Amp	
25	Eldervit-12	Vit-C
26	Tetanus vaccine	
27	Anawin	Bupivacaine HCL
28	Fortwin	Pentazocin
Section F- Surgicals		
29	Prime POP	Bandages
30	100 Sterican	Needle 22G
31	Disposable electrosurgical	Handcontrol pencil
32	Prefilled syringe	

Crude Drug Museum (Third Floor)

Sr. No.	Name of Crude drugs
01	Wool Ovis Aries Bovidae
02	Aloe Aloevera Liliaceae
03	Coriander Coriandrum sativum Umbelliferae
04	Picrorrhiza Picrorrhiza Kurrao Scrophulariaceae
05	Jalap Ipomoea Purga Hayne Convolvulaceae
06	Jatamansi Nardostachys Jatamansi Valerianaceae
07	Pipali
08	Jute corchorus Olitorius Tiliaceae
09	Cotton Gossypium Barbadense Malvaceae
10	Cardamom Ellettaria cardamomum Zingiberaceae
11	Liquorice Glycyrrhiza Glabra Fabiaceae
12	Nux vomica seeds Loganiaceae
13	Cascara Bark
14	Sandalwood Sandalum Album Santalaceae
15	Chichona Bark Chinchona Officinalis Rubiaceae
16	Shankhpushpi Conscora Decussate Gentianeae
17	Isaphgol
18	Moringa olifera Moringaceae
19	Squill Urginea Indica Kunth Liliaceae
20	Shatavari Asparagus Racemosus Liliaceae
21	Fenugreek
22	Barberis
23	Senna Cassia Angustifolia Leguminosae
24	Bhallataka Semi Carpus Anacardium
25	Lemon Peel Citrus Limonia osbeck Rutaceae
26	Orange peel Citrus Aurantium Rutaceae
27	Kalmegh
28	Tea powder
29	Amla fruit Emblica Officinalis Euphorbiaceae
30	Myrobalan Terminalia Chebula Combretaceae
31	Silk
32	Shellac flakes Lacifer lacca Lacciferidae
33	Ginseng
34	Bees wax
35	Cassia wood
36	Rauwolfia root powder
37	Dill powder
40	Datura leaf powder
41	Rasana
42	Gentian
43	Shatavari Powder
44	Kurchi Bark
45	Liquorice powder
46	Nux vomica seed
47	Ephedra powder

48	Coriander fruit
49	Digitalis leaf
53	Eucalyptus leaf
54	Safed Musli
56	Ashwagandha
59	Black catechu
60	Guggul
61	Punarnava
62	Shankhapushpi
64	Beheda
65	Caraway
66	Hirda
67	Clove
73	Dioscorea
74	Vasaka leaf powder
75	Turmeric powder
76	Aconite
78	Podophyllum
79	Mustard
81	Gulvel
82	Benzoin
86	Hibiscus
89	Valerian
93	Madhunashini
94	Ashoka bark
95	Jalap
100	Myrobalan
101	Rhubarb powder
102	Pyrethrum powder
103	Chirata
104	Isabgol
105	Quassia
106	Vidanga
107	Bavachi
109	Pale catehu

6.5 Medicinal Plant Garden (5)

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

The college is maintaining the medicinal plant garden which includes various adequate herbs and shrubs. The garden is located in premises of college. The garden is permanent. The gardener is taking care of watering the plants and maintaining cleanliness in garden. Adequate numbers of plants are cultivated in medicinal plant garden of college. We have total area of medicinal plant garden 294.17 sq. m. out of which we have cultivated the






medicinal plants in demarcated area in front of college building about 226.76 Sq. m. Total 60 medicinal plants have been cultivated in college campus permanently and approximately 50 plants have been cultivated in plant pots. Plants have been cultivated also in the garden of campus of Mahatma Gandhi Vidyamandir having area 67.41 sq m.







Sr. No.	Botanical name	Vernacular /Local name	Qty	Chemical constituents	Uses
1	<i>Semecarpus anacardium</i>	Bibva	01	Anacardoside, semecarpetin, nallaflavanone	Skin diseases, Anti-inflammatory
2	<i>Terminala catappa</i>	Badam	05	Punicalia, Terflavins A & B, Chebulagic acid.	Brain tonic
3	<i>Peruvian balsam</i>	Peru	01	Cinnamein, styrene, vanillin, coumarin	Dry socket in dentistry, topically as a treatment of wounds and ulcers, in suppositories for haemorrhoids
4	<i>Adhatoda vasaka</i>	Adulsa	03	Vasicine, 2'-hydroxy -4-glucosyloxychalcone, vasicol, adhatodine, vasicinone, vasicinol, arachidic	Cold, cough, chronic bronchitis and asthma, rheumatic Pains
5	<i>Acalphya indica</i>	Sonchafa	01	Kaempferol, quinine, γ -sitosterol, tannin, resin and essential oil	Liver tonic, burns
6	<i>Eugenia jambolana</i>	Jambul	01	Anthocyanins, glucoside, ellagic acid, isoquercetin, kaemferol, myrecetin	Antidiabetic, dysentery, inflammation, ringworm
7	<i>Moringa oifera</i>	Shevga	01	Niaziminin A, niaziminin B, tetradecanoic acid	Diuretics
8	<i>Asparagus racemosus</i>	Shatavari	01	Shatavarin I-IV	Immunostimulants, anti-inflammatory, antihepatotoxic, antibacterial, antioxytotic
9	<i>Piper</i>	Lendipipri	01	Piperine, alkaloids	Asthama, bronchitis







	<i>longum</i>				
10	<i>Bacopa monniera</i>	Brahmi, Brahmani	01	Madecassoside, asiaticoside	Brain tonic
11	<i>Moringa oleifera</i>	Kadhipatta	01	Phlobatannin, volatile oil	Anti-inflammatory, flavouring agent
12	<i>Bambusa vulgaris</i>	Bamboo	01	Silicates 70%, cyanogenic glycoside alkaloid.	Furniture
13	<i>Bryophyllum pinnatum</i>	Panfuti	01	Ascorbic acid, riboflavin, thiamine, niacin.	Kidney stone
14	<i>Aloe vera</i>	Korfad	03	Anthraquinone glycosides	Purgative
15	<i>Occimum sanctum</i>	Tulsi	03	Eugenol, methyl-eugenol	Antibacterial, stimulant
16	<i>Hibiscus rosasinensis</i>	Jaswand	01	Apigenidine, palargonidine, cianidine, quercetine, crisantemin, antocyanine, kaempherol, camphoral.	Anthelmintic, urethritis, headache, toothache, ear ache, asthma, boils.
17	<i>Eugenia caryophyllanta</i>	Lavang	01	Eugenol, carvacrol, thymol, cinnamaldehyde.	Dental analgesic, carminative
18	<i>Elettaria cardamomum</i>	Elaichi	01	a-pinene, b-pinene, sabinene, myrcene, a-phellandrene, limonene, 1,8-cineole, γ-terpinene, p-cymene	Stomachic, flavouring agent
19	<i>Sapindus mukorossi</i>	Reetha	01	Fatty esters of tetracyclic triterpenoid, acyclic sesquiterpenoidal glycoside	Hair treatment
20	<i>Strychnos nuxvomica</i>	Kuchala	01	Strychnine, brucine	Bitter, increasing appetite, peristalsis.
21	<i>Cinnamomum zeylanicum</i>	Dalchini	01	Volatile oils, triterpenoids	Stomachic
22	<i>Terminalia bellericarb.</i>	Behada	03	Gallic acid, ellagic acid	Astringent







23	<i>Sapindus mukorossi</i>	Reetha	01	Fatty esters of tetracyclic triterpenoid, acyclic sesquiterpenoidal glycoside	Hair tonic
24	<i>Terminalia arjuna</i>	Arjun sadada	01	Ellagic acid, arjunolic acid	Cardio tonic
25	<i>Mesuaferrea</i>	Nagkesar	01	Stigmasterol, germaceren D, friedelin	Antimicrobial
26	<i>Ferula foetida</i>	Mix masala	01	β -pinene and α -pinene	Carminative, antimicrobial
27	<i>Emblica officinalis</i>	Awala	01	Vitamin C	Antioxidant
28	<i>Laurusnobilis</i>	Tejpan	01	Linalol, eugenol, 1, 8 cineol	Spices
29	<i>Trichsanthe stricuspidata</i>	Kanchan	01	Triterpenoids	Asthama
30	<i>Butea monosperma</i>	Palas	01	Linoleic acid, Butrin, sterole-D-glucopyranoside, pyrocatechin	Diuretics
31	<i>Myristica fragrance</i>	Jayphal	01	α -pinene, camphene, β -pinene, sabinene, myrcene, α -phellandrene, α -terpinene, limonene	Analgesic, antirheumatic, antiseptic, antispasmodic, carminative, digestive, emmenagogue, laxative
32	<i>Azadirachta indica</i>	Nimb	01	Tetranortriterpenoids, azadirone, epoxyazadiradione, nimbin, gedunin, azadiradione, deacetylnimbin, 17-hydroxyazadiradione.	Liver tonic
33	<i>Eucalyptus globulus</i>	Nilgiri	01	Eugenol, thymol, benzyl alcohol, α -tocopherol.	Bronchodilator
34	<i>Ficus racemosa</i>	Umbar	01	Oleanolic acid, β -sitosterol, triterpenoids, flavonoids	Bowel complaints, blood impurity
35	<i>Pongamia pinnata</i>	Karanj	01	Flavonoids, fatty acids	Anti-inflammatory, antinociceptive







36	<i>Aegle marmelos</i>	Bel	01	Alkaloids, coumarins, terpenoids, fatty acids, aminoacids	Alkaloids, phenols, saponins, glycosides, flavonoids, triterpenoids, sterols, tannins
37	<i>Pterocarpus santalinus</i>	Raktachandan	01	Alkaloids,	Skin diseases
38	<i>Ferula foetida</i>	Hing	01	Asaresinolferulate, ferulic acid,	Antiepileptic, Asthma, amenorrhea, bronchitis, aphrodisiac.
39	<i>Prosopis cineraria</i>	Shammi	01	Phenolics	Anti-inflammatory, antirheumatic, tonic and vermifuge
40	<i>Putranjiva roxburghii</i>	Putranjiva	01	Ellagic acid, gallic acid, galocatechin, ellagi-and gallo-tannins,saponins.	Antioxidant
41	<i>Vinca alba</i>	Sadafuli	03	Vincristine, vinblastine	Anticancer
42	<i>Clitoria ternatea</i>	Gokarana	01	Tannins, resins, starch, taraxerol and taraxerone	Memory enhancer, nootropic, antistress, anxiolytic, antidepressant, anticonvulsant, tranquilizing and sedative agent
43	<i>Piper nigrum</i>	Kalimiri	01	Limonene, eugenol	Rubefacient, stimulant, stomachic
44	<i>Cissus quadrangularis</i>	Hadsandhi	01	Tetracyclic triterpenoids, two steroidal principles I and II, alpha-sitosterol	Asthma and cardiac problems, leprosy, ulcers, tumours, skin diseases.







Name of the Staff	Designation	Date of joining	Qualification		Other technical skills gained	Responsibility	Photo
			At Joining	Current Status			
Administrative staff:							
Mr.Amit Shamsundar Maralkar	Administrative Officer	12/07/2017	D.HMCT, BSc, MBA	D.HMCT, BSc, MBA	--	Annexure A	
Mr. Ashok Pandurang Ghumare	Office Superintendent	08/09/1993	M.A.	M.A.	--	Annexure A	
Mr. Prafulla Motiram Pagar	Head Clerk	01/06/2009	B.A.	B.A.	--	Annexure A	
Mr. Ravindra Shivaji Bachhav	Lab. Assistant/ Office Clerk	29/08/2019	BSc.	BSc.	--	Annexure A	
Mr. Ajay Krushnarao Rasane	Steno Typist	01/12/2007	B.A. MHCIT	B.A. MHCIT	--	Annexure A	







Mr. Mahesh Padmakar Devle	Accountant	20/02/2018	M.Com GDC & A	M.Com GDC & A	--	Annexure A	
Mr. Bhosale Vaibhav Prataprao	Jr. Accountant	15/11/2021	B.Com	B.Com	--	Annexure A	
Mrs. Sapana Subhash Shinde	Sr. Clerk	03/07/2015	B.A.	B.A.	--	Annexure A	
Smt. Vijaya Vilas Pagar	Jr. Clerk	18/08/2008	M.A., B.ed	M.A., B.ed	--	Annexure A	
Mr. Ravindra Sonu Aher	Jr. Clerk	22/04/2008	M.Com	M.Com	--	Annexure A	
Mrs. Sonali Sagar Ahire	Jr. Clerk	17/02/2022	H.S.C.	H.S.C.		Annexure A	
Technical Staff							






Dr. Ujwala Sudhir Ulhe	Librarian	09/10/2017	PhD, M.lib &I.Sc., B.lib &I.Sc,B.Sc. (Bio)	PhD, M.lib &I.Sc., B.lib &I.Sc,B.Sc. (Bio)	Details on separate sheet	Annexure A	
Mrs. Sangita Vikram Shewale.	Jr. Clerk (Exam)	18/08/2008	B.A.	B.A.	--	Annexure A	
Mrs. Manisha Nitin Hiray	Assist. Librarian	21/07/1998	B.sc, M.Lib	B.sc, M.Lib	Details on separate sheet	Annexure A	
Smt. Seema Sachin Baviskar	Lib Attendant/ Office Clerk	01/12/18	M.A. ; B.Ed, B.Lib	M.A. ; B.Ed, B.Lib	--	Annexure A	
Mr. Anil Ramdas Pawar	Laboratory Technician	21/05/1996	D. Pharm	D. Pharm	Details on separate sheet	Annexure A	
Mr. Rahul Prakash Nikam	Laboratory Technician	14/09/2013	D. Pharm	D. Pharm	Details on separate sheet	Annexure A	


Mr. Vijay Tulshiram Chaudhari	Store Keeper	12/06/2014	B.Com,GDM M	B.Com,GDM M	--	Annexure A	
Mrs. Manisha Mahendra Patil	Laboratory Technician	15/07/2003	D. Pharm	D. Pharm	Details on separate sheet	Annexure A	
Mr. Swapnil Rajendra Londhe	Laboratory Technician	15/08/2016	D. Pharm	D. Pharm	--	Annexure A	
Mr. Viswasrao Sitaram Borse	Lab. Attendant	17/09/1987	HSC (Fail)	HSC (Fail)	--	Annexure A	
Mr. Madhukar Dhudaku Salunke	Library Attendant	13/06/1994	B.A.	B.A.	--	Annexure A	
Mr. Gopal Shankarrao Shirapure	Lab. Attendant	29/07/1992	HSC (Fail)	HSC (Fail)	--	Annexure A	

Mr. Bhagchand Tilakchand Liddad	Lab. Attendant	11/08/1993	Diploma Agri	Diploma Agri	--	Annexure A	
Mr. Samadhan Shankar Wagh	Lab. Attendant	06/09/1994	SSC	SSC	--	Annexure A	
Mr. Dharma Rambhau Ahire	Lab. Attendant	23/09/1996	SSC	SSC	--	Annexure A	
Mr. Jibhau Nathu Suryawanshi	Lab. Attendant	15/10/1998	SSC	SSC	--	Annexure A	
Mr. Patil Madhav Bhatu	Lab. Attendant	15/07/2002	B.A.	B.A.	--	Annexure A	
Mr. Vikas Sudhakar Joshi	Lab. Attendant	03/07/2000	SSC	SSC	--	Annexure A	

Mr. Ananadchand Dharmchand Chune	Lab. Attendant	06/08/2005	HSC	HSC	--	Annexure A	
Ms. Rohini Vishwas Kushare	Lab. Attendant	19/12/2016	B.A., D.T.Ed	M.A., D.T.Ed	--	Annexure A	
Mr. Bhushan Sanjay Kadam	Photographer	01/06/2020	HSC	HSC	--	Annexure A	
Maintenance Staff							
Mr. Gokul Daulat Karankal	Plumber	08/06/1994	SSC	SSC	--	Annexure A	
Mr. Rajandra Jijabao Deshmukh	Electrician	01/09/2008	HSC	HSC	--	Annexure A	
Mr. Sachin Haribhau Shelar	Gardener	19/06/2008	SSC	SSC	--	Gardner	

Supporting Staff							
Mr. Ajay Prabhakar More	Peon	01/09/2009	VIII	VIII	--	Annexure A	
Mr. Bhagwat Dattu Aher	Peon	07/11/2012	SSC	SSC	--	Annexure A	
Mr. Shirish Ganpat Shirwadkar	Peon	09/09/2014	SSC	SSC	--	Annexure A	
Mr. Bhushan Yuvraj Patil	Peon	01/09/2009	B.A.	B.A B.Ed.	--	Annexure A	
Mr. Mohan Tukaram Awari	Peon	01/07/2017	B.A.	B.A.	--	Annexure A	
Mr. Pravin Bhausahab Nikam	Peon	01/07/2019	HSC	HSC	--	Annexure A	

Mr. Vishal Gopal Khirari	Peon	30/09/2020	SSC	SSC	--	Annexure A	
Mr. Ganesh Dipak Darode	Peon	01/12/2010	HSC	HSC	--	Annexure A	
Mr. Karande Vishal Pralhad	Peon	18/12/1991	HSC	HSC	--	Annexure A	
Car Drivers:							
Mr. Nathu Karbhari More	Driver	20/01/2010	SSC	SSC	--	Driver	
Mr. Sajnule Kiran Vishwas	Driver	10/11/2021	SSC	SSC	--	Driver	

Mr. Darshan Dilip pagar	Laboratory Assistant	29/03/2022	D.Pharm	D.Pharm	---	Annexure-A	
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ANNEXURE-A		
Sr. No	Name (Designation)	Responsibilities
1.	Mr.Amit Shamsundar Maralkar (Administrative Officer)	<ul style="list-style-type: none"> To ensure proper running of the courses run by the centre, in consultation with the course coordinator. To collect and verify daily attendance reports, weekly reports, monthly reports including committee reports submitted by the academic and administrative incharges and take necessary action. To help in the maintenance of the buildings of the institute. To perform any other work as assigned by the higher authorities of the Institute To take care of Administration & Establishment, Academics, Examinations, Accounts, Developmental aspects, Coordination and Consolidation of activities of different faculties/ departments/ centre's/ sections, Faculty Affairs. To deal with the matters related to the meetings of various committees of the Institute, engagement of security agency. To deal with the matters related to the day-to- day affairs and the academic activities of the Institute, to deal with the various committees constituted from time to time by the SPPU/Other Bodies.

2.	Mr.Ashok Pandurang Ghumare(Office Superintendent)	<ul style="list-style-type: none"> • To maintain record of attendance and leave record of teaching and non teaching staff on biometric machine. • To maintain record of personal file and service book of teaching and non teaching staff. • AICTE DTE, Govt. of Maharashtra, S.P.P.U and PCI- letters file to be maintained. • To manage other official work. • To help teachers as per their requirement.
3.	Mr.Prafulla Motiram Pagar(Head Clerk)	<ul style="list-style-type: none"> • AICTE, DTE, PCI and Pune University correspondence • To manage other official work. • To help teachers as per their requirement.
4.	Mr. Ravindra Shivaji Bachhav (Lab. Assistant/ Office Assistant)	<ul style="list-style-type: none"> • DTE, Nashik & Mumbai - Merit List Finalisation work Doing (B.Pharm, M.Pharm & Pharm.D) • Student Section B.Pharm Responsibility (To issue Original Documents for Student, to prepare Bonafide & other concern Certificates) • To provide Student Strength data for PCI, AICTE, SPPU, Pune • Online submission data- Eligibility & Pro-rata of SPPU, Pune. • To Fillup College Data in Campus- 360 Software(College, Organization & Student Section) • To provide Student Strength data for PCI, AICTE, SPPU, Pune • All the English typing for university related or other official work • Official outdoor work of SPPU, Pune (Outdoor) • To help teachers as per their requirement. •
5.	Mr. Ajay Krushnarao Rasane (Steno Typist)	<ul style="list-style-type: none"> • To perform typing work for official communication.

6.	Mr. Mahesh Padmakar Devle. (Accountant)	<ul style="list-style-type: none"> • All the works related to accounts. • To prepare fees proposal for admission regulating authority (Mumbai) before 30th June, each year. • To receive fees from B.pharm and M. pharm students and to issue the fee receipt, recording the same in fee register on daily basis. • To prepare salary details of all the teaching, non teaching and visiting faculty staff members. • To maintain P.F, gratuity and group L.I.C. related account.
7.	Mr. Bhosale Vaibhav Prataprao (Jr. Accountant)	<ul style="list-style-type: none"> • To prepare salary details of all the teaching, non teaching • To make entry of Fees Receipt in Tally Software (Account Dept.) • To help accountant as per their requirement. • To maintain P.F, gratuity and group L.I.C. related account.
8.	Mrs. Sapana Subhash Shinde (Sr.Clerk)	<ul style="list-style-type: none"> • Responsibility of All Courses Scholarship Section • To check all circulars & Letters from AICTE, PCI, SPPU,Pune, DTE Nashik& Mumbai , Outlook 365 Website. • To attend to student related office work and other office related responsibilities • To do all the English & Marathi typing for university related or other official work.
9.	Smt. Vijaya Vilas Pagar (Jr. Clerk)	<ul style="list-style-type: none"> • To prepare the T.C. certificates of B.pharm and M. pharm pass out students after academic year. • To do all the English typing for university related or other official work. • Information of students whatever is required time to time should be provided to teachers.

10.	Mr. Ravindra Sonu Aher (Jr. Clerk)	<ul style="list-style-type: none"> • To Prepare Daybook of Every Student of B.Pharm, M.Pharm, Pharm.D Course. • To Maintain All Fees Record in Register Manually. • To Collect bank counter from student and made Fee Receipt.(All Courses) • To maintain Fees Record.
11.	Mrs. Sonali Sagar Ahire (Jr. Clerk)	<ul style="list-style-type: none"> • To maintain inward and outward registers • To do all the English & Marathi typing related office work
12.	Dr. Ujwala Sudhir Ulhe (Librarian)	<ul style="list-style-type: none"> • To perform overall planning of library • To prepare and maintain library reports • To classify and catalogue library books • To provide reference service to the users. • To determine record statistics • To carry out routine correspondence activities of library
13.	Mrs.Sangita Vikram Shewale. (Jr. Clerk, Exam)	<ul style="list-style-type: none"> • To collect examination forms from all B. pharm and M. Pharm students. All exam related works such as online exam form filling, submission, and examination fees reception, to generate Challan to scrutinize and forward to university. • To distribute B. Pharm and M. Pharm mark sheets of April and Oct. Examination results and to submit/send mark sheets for any changes or reporting it to university. • To provide assistance in internal exams and external exams. • To distribute related remuneration to respective staff members and submit the record to university. • To maintain answer sheets, Question paper file, internal and external marks ledgers. • To assist in framing supervision and classroom arrangements.
14.	Mrs. Manisha Nitin Hiray (Assistant Librarian)	<ul style="list-style-type: none"> • To maintain important daily paper cuttings and filing them. • To prepare library rules and regulations • To keep ready students issue cards and Identity cards. • E-library work / computerization of library.

15.	Smt.Seema Sachin Baviskar (Library Attendant)	<ul style="list-style-type: none"> To assist Librarian. To maintain important daily paper cuttings and filing them. Assistance in computerization of library.
16.	Mr. Anil Ramdas Pawar (Lab Technician)	<ul style="list-style-type: none"> B. Pharm and M. Pharm pharmacology department related Laboratory apparatus distribution and collect back from students. To issue chemicals, prepare PSS, purchase tissues for experiments. Preparation of dead stock report. Maintenance of all chemicals, glassware and instruments and maintain record of breakage. Laboratory Examination work. To maintain animal house. To maintain cleanliness.
17.	Mr. Rahul Prakash Nikam (Lab Technician)	<ul style="list-style-type: none"> To provide the chemicals, apparatus etc. to students and collect back and maintain record of the same in Pharmaceutics and Pharmacognosy lab. Annual and Sessional practical exam related work To maintain cleanliness and safety in laboratory. To maintain practical related charts, models or other material properly. Dead stock record preparation and submission at the end of academic year.
18.	Mr.Vijay Tulshiram Chaudhari (Store Keeper)	<ul style="list-style-type: none"> All work related to store department B. Pharm and M. Pharm. Journal and uniform distribution to B. Pharm and M. Pharm students. Dead stock record (yearly) to be submitted to office after 31st March yearly. To refill fire cylinder every year and maintain its record. Spirit license (for Laboratories) renewal to be done every year. To attend to the requirements of each department and prepare Purchase Order.
19.	Mrs. Manisha Mahendra Patil (Lab Technician)	<ul style="list-style-type: none"> To assist Pharmaceutical Chemistry Practical's. To provide chemicals, apparatus to students and collect back and maintain record. Annual and Sessional practical exam related work To maintain cleanliness and safety in laboratory. To maintain practical related charts, models or other material properly. Dead stock record preparation and submission at the end of academic year .

20.	Mr. Swapnil Rajendra Londhe (Lab Technician)	<ul style="list-style-type: none"> To provide chemicals, apparatus to students and collect back and maintain record in Central Instrument Room. Annual and Sessional practical exam related work To maintain cleanliness and safety in laboratory. To maintain practical related charts, models or other material properly. Dead stock record preparation and submission at the end of academic year .
21.	Mr. Viswasrao Sitaram Borse (Lab Attendant)	<ul style="list-style-type: none"> To maintain cleanliness of Pharmacognosy (B.Pharm) lab. To provide chemicals and apparatus for Practical's to student and collect back. To help during Sessional and annual practical examination To do any other work in laboratories whenever required.
22.	Mr.Madhukar Dhudaku Salunke (Lab Attendant)	<ul style="list-style-type: none"> To maintain cleanliness of library To do any other work in library whenever required
23.	Mr.Gopal Shankarrao Shirapure (LabAttendant/Office Attendant)	<ul style="list-style-type: none"> To lock the office at 5:40 PM and submit the keys at guest house. To attend any work at Principal's and Vice- Principal's cabin. To help doing dead stock of office after 31st March. AICTE, DTE, Pune University, PCI work related proposal files should be maintained or required Xerox work should be done.
24.	Mr. Bhagchand Tilakchand Liddad (LabAttendant/Office Attendant)	<ul style="list-style-type: none"> To bring office keys from guest house and open the office. Any work during examination period and Xerox work. Bank related work and any other outside work. Work of college at S.P.P.U. if required. To maintain office in order.
25.	Mr.Samadhan Shankar Wagh (Lab Attendant)	<ul style="list-style-type: none"> To maintain cleanliness of Pharmaceutics and Pharmacognosy laboratory To provide chemicals and apparatus for practicals to student and collect back. To assist in Sessional and annual practical examination To do any other work in laboratories whenever required.

26.	Mr. Dharma Rambhau Ahire (Lab Attendant)	<ul style="list-style-type: none">• To maintain cleanliness of lab.• To provide chemicals and apparatus for Practicals to student and collect back.• To help during Sessional and annual practical examination• To do any other work in laboratories whenever required
27.	Mr. Jibhau Nathu Suryawanshi (Peon)	<ul style="list-style-type: none">• Quality Assurance laboratory and Museum room cleanliness• To provide chemicals and apparatus for Practicals to student and collect back.• To assist in Sessional and annual practical examination• To do any other work in laboratories whenever required.
28.	Mr. Madhav Bhatu Patil (Lab Attendant/Receptionist)	<ul style="list-style-type: none">• To keep record of incoming and outgoing calls in register.• Anything regarding CL/ DL / late (informed on phone) to be noted in register• To attend the call regarding any official work and inform to respective person and record the same in register.• To note everyday outward letter no. in register• To place calls as per the requirements of staff and Principal.
29.	Mr. Vikas Sudhakar Joshi (Lab Attendant)	<ul style="list-style-type: none">• To maintain cleanliness of lab.• To provide chemicals and apparatus for Practical's to student and collect back.• To help during Sessional and annual practical examination• To do any other work in laboratories whenever required
30.	Mr. Anandchand Dharmchand.Chune (Lab Attendant)	<ul style="list-style-type: none">• To maintain cleanliness of lab.• To provide chemicals and apparatus for Practical's to student and collect back.• To help during Sessional and annual practical examination• To do any other work in laboratories whenever required

31.	Ms.Rohini Vishwas Kushare (Lab Attendant)	<ul style="list-style-type: none">• To maintain cleanliness of lab.• To provide chemicals and apparatus for Practicals to student and collect back.• To help during Sessional and annual practical examination• To do any other work in laboratories whenever required
32.	Mr. Bhushan Sanjay Kadam (Photographer)	<ul style="list-style-type: none">• To develop all Photos from outsourcing (Photolab)• Taken all Programme Photographs & ready for album.
33.	Mr. Gokul Daulat Karankal (Plumber)	<ul style="list-style-type: none">• Plumbing work in college building.• Plumbing work in other college buildings.
34.	Mr.Rajendra Jijabao Deshmukh (Electrician)	<ul style="list-style-type: none">• To do electrical work in college building whenever and wherever needed.
35.	Mr. Sachin Haribhau Shelar (Gardner)	<ul style="list-style-type: none">• To maintain cleanliness in plantation area and to give water and take care of plants in college campus.• To do any other work whenever needed.
36.	Mr. Ajay Prabhakar More (Peon)	<ul style="list-style-type: none">• To maintain cleanliness in Pharmaceutics and Pharmacognosy laboratory.• To help in college related or office related work whenever needed.• To help during Sessional and annual practical examination• To do any other work in laboratories whenever required.
37.	Mr. Bhagwat Dattu Aher (Peon)	<ul style="list-style-type: none">• To help in college related work or office work whenever needed.• To do any other work in laboratories whenever required.• To clean the Quality Assurance Tech. laboratory.

38.	Mr. Shirish Ganpat Shirvadkar (Peon)	<ul style="list-style-type: none">• To clean the Pharmaceutical Chemistry laboratory.• To help in college related work or office work whenever needed.• To help during Sessional and annual practical examination• To do any other work in laboratories whenever required.• To do any other laboratory related work whenever and wherever needed.
39.	Mr. Bhushan Yuvraj Patil (Peon)	<ul style="list-style-type: none">• To clean and maintain cleanliness of Pharmaceutical Chemistry laboratory and instrument room.• To help in college related work or office work whenever needed.• To help during Sessional and annual practical examination• To do any other work in laboratories whenever required.
40.	Mr. Mohan Tukaram Awari (Peon)	<ul style="list-style-type: none">• To help in college related work or office work whenever needed.• To do any other work in laboratories whenever required.
41.	Mr. Pravin Bhausahab Nikam (Peon)	<ul style="list-style-type: none">• To bring office keys from guest house and open the office.• Any work during examination period and Xerox work.• Bank related work and any other outside work.• Work of college at S.P.P.U. if required.• To maintain office in order.
42.	Mr. Gopal Vishal Khirari (Peon)	<ul style="list-style-type: none">• To help in college related work or office work whenever needed.• To do any other work in laboratories whenever required.
43.	Mr. Ganesh Deepak Darode (Peon)	<ul style="list-style-type: none">• To maintain cleanliness in Pharmacology (M. Pharm) laboratory.• To help in college and office work whenever needed.• To help during Sessional and annual practical examination• To do any other work in laboratories whenever required.

44.	Mr. Ishwar Pralhad Karande (Peon)	<ul style="list-style-type: none">• To maintain cleanliness in Pharmacology (M. Pharm) laboratory.• To help in college and office work whenever needed.• To help during Sessional and annual practical examination• To do any other work in laboratories whenever required.
45.	Mr. Nathu Karbhari More (Driver)	<ul style="list-style-type: none">• Driver of Four Wheeler Car /Bus• Maintenance of College Vehicles
46.	Mr. Kiran Vishwas Sajnule (Driver)	<ul style="list-style-type: none">• Driver of Four Wheeler Car /Bus• Maintenance of College Vehicles
47.	Mr. Darshan Dilip pagar (Laboratory Assistant)	<ul style="list-style-type: none">• To provide chemicals, apparatus to the students and collect back and maintain record• Annual and Sessional practical exam related work• To maintain cleanliness and safety in laboratory.• To maintain practical related charts, models or other material properly.• Dead stock record preparation and submission at the end of academic year.

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

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

- Sufficient technical staff is available to run the program specific laboratories.
- Each course specific lab has a qualified supporting staff to guide the students.

Name of the technical staff	Designation	Date of joining	Qualification		Other technical skills gained
			At Joining	Now	
Dr. Ujwala Sudhir Ulhe	Librarian	09/10/2017	M. Lib, Ph.D.,	M. Lib, Ph.D.,	<p>1. Attended Workshop “Syllabus Orientation workshop- Pharmacognosy July 2020, Pharmacy College, Nashik on 2nd July 2020.</p> <p>2. Attended Workshop on “Effective enforcement of IPR: Patent and Copyright” Shri Shivaji Science College, Shri Saint Gadgebaba Amravati. University on 17th June 2021</p> <p>3. Attended Workshop on “Centre for Publication ethics and research metrics” SPPU Library and Information centre, Pune.</p> <p>4. Attended Workshop on “NAAC RAF & sustainable quality assessment” ATSS, CBSCA, Chinchwad, SPPU, Pune</p> <p>5. Published 7 International papers, 9 National papers and attended 5 National & International Conferences.</p>

Mr. Anil Ramdas Pawar	Laboratory Technician	21/05/1996	D. Pharm	D.Pharm	<p>1. Got acquainted in Animal Handling Skills.</p> <p>2. Successful completion of the "Online Yoga Program for Boosting Immunity conducted by The Art of Living from 05 July 2021 to 07 July 2021.</p> <p>3. Successfully completed Seven Days National Training on "Lab Animals in Bio-Medical Research organized by MAFSU, Parbhani during 21st to 27th September 2021</p> <p>4. Attended National Level Short Term Training Program (STTP) on Maintenance and Operation of Laboratory Equipment, Safety Measures & Documentation in Pharmaceutical Laboratory on 22th January 2022.</p>
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Mr. Rahul Prakash Nikam	Laboratory Technician	14/09/2013	D. Pharm	D.Pharm	1 Attended National Level Short Term Training Program (STTP) on Maintenance and Operation of Laboratory Equipment, Safety Measures & Documentation in Pharmaceutical Laboratory on 22 th January 2022.
Mrs. Manisha Mahendra Patil	Laboratory Technician	15/07/2003	D. Pharm	D.Pharm	1. Attended National Level Short Term Training Program (STTP) on Maintenance and Operation of Laboratory Equipment, Safety Measures & Documentation in Pharmaceutical Laboratory on 22 th January 2022.
Mr. Swapnil Rajendra Londhe	Laboratory Technician	15/08/2016	D. Pharm	D. Pharm	1. Attended National Level Short Term Training Program (STTP) on Maintenance and Operation of Laboratory Equipment, Safety Measures & Documentation in Pharmaceutical Laboratory on 22 th January 2022. 2. Got acquainted in maintaining records and instruments
Mr. Vijay Tulshiram Chaudhari	Store Keeper	12/06/2014	B. Com, GDMM	B. Com, GDMM	1. Got acquainted in maintaining records in stores

- In addition, 10 members have been recruited by college (external agency) for general maintenance and cleanliness within the premises by out-sourcing through contract basis.
- Security of the premises is taken care by out-sourcing.
- The building is taken care by centralized fire safety (insurance), in addition to fire extinguishers provided in individual labs and store.
- The electrical and plumbing works are taken care by Centralized Maintenance department.

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

(Assessment based on the information)

- Sent to training outside the institution for professional advancement
- Conducted Fire extinguisher training within college campus.
- AMC demo given by engineers, attended by lab technicians and thus training provided.
- In-house training is also provided to lab technicians and store in-charge to upgrade their skills like preparing word and Excel documents in computer or preparation of reagents, handling of microscopes, handling of animals, maintenance of balance, pH meter, hot air oven, autoclave, hot plate in respective departments.

Skill up gradation and professional advancement:

The non-teaching staffs are encouraged to improve their skills and gain knowledge by providing registration fees for attending various workshops and conferences. The following table provides the details of staff attended various conferences and workshops to upgrade their skills.

Sr. No.	Name	Details
1	Dr. Ujwala Sudhir Ulhe (Librarian)	<p>1. Attended Workshop “Syllabus Orientation workshop- Pharmacognosy July 2020, Pharmacy College, Nashik on 2nd July 2020.</p> <p>2. Attended Workshop on “Effective enforcement of IPR: Patent and Copyright” Shri Shivaji Science College, Shri Saint Gadgebaba Amravati.University on 17th June 2021</p> <p>3. Attended Workshop on “Centre for Publication ethics and research metrics” SPPU Library and Information centre, Pune.</p> <p>4. Attended Workshop on “NAAC RAF & sustainable quality assessment” ATSS, CBSCA, Chinchwad, SPPU,Pune.</p>
2	Mr. Rahul Prakash Nikam (Laboratory Technician)	<p>1 Attended National Level Short Term Training Program (STTP) on Maintenance and Operation of Laboratory Equipment, Safety Measures & Documentation in Pharmaceutical Laboratory on 22th January 2022.</p> <p>2. Completed Campus 360 software training at MGVS Education campus, Nashik</p>
3	Mr. Anil Ramdas Pawar (Laboratory Technician)	<p>1. Successful completion of the “Online Yoga Program for Boosting Immunity conducted by The Art of Living from 05 July 2021 to 07 July 2021.</p> <p>2. Successfully completed Seven Days National Training on “Lab Animals in Bio-Medical Research organized by MAFSU, Parbhani during 21st to 27th September 2021</p> <p>3. Attended National Level Short Term Training Program (STTP) on Maintenance and Operation of Laboratory Equipment, Safety Measures & Documentation in Pharmaceutical Laboratory on 22th January 2022.</p>

4	Mrs Manisha Mahendra Patil. (Laboratory Technician)	1. Attended National Level Short Term Training Program (STTP) on Maintenance and Operation of Laboratory Equipment, Safety Measures & Documentation in Pharmaceutical Laboratory on 22 th January 2022.
5	Mr. Swapnil Rajendra Londhe (Laboratory Technician)	1. Attended National Level Short Term Training Program (STTP) on Maintenance and Operation of Laboratory Equipment, Safety Measures & Documentation in Pharmaceutical Laboratory on 22 th January 2022.
6	Mrs. Manisha Nitin Hiray (Laboratory Technician)	2. Completed Campus 360 software training at MGVS's Education campus, Nashik 2. Handling other library related softwares.

Sr. No	Assessment Parameters	Marks	
		Prescribed	Institute
6	Facilities		
6.1	Availability of adequate, well-equipped classrooms to meet the curriculum requirements	20	18
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	57
6.4	Drug Museum	05	04
6.5	Medicinal Plant Garden	05	04
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	09
	Total	120	112

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

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

Items	LYG (2020-2021)	LYGm1 (2019-2020)	LYGm2 (2018-2019)
Success Index (From 4.2.1)	0.80	0.68	0.83

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

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

7.2 Improvement in Placement and Higher Studies (15)

Assessment is based on improvement in:

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

Year	Indian University	Foreign University	Placement	Entrepreneur
LYG (2020-21)	34	03	11	04
LYGm1 (2019-20)	28	--	12	02
LYGm2 (2018-19)	35	---	11	04

The placement cell acts as a platform for interaction between students and corporate.

The placement cell at MGVS Pharmacy College actively bridges the gap between the students and corporate organizations. The institute's Placement Cell functions under the supervision of placement committee, and operates to conduct campus interviews for the students.

The Cell acts as an interaction point for all pharma and non-pharma industries that wish to recruit students from MGVS Pharmacy College. It entails collecting resumes, telephone numbers and e-

mails of the students and forwarding it to HR department of Pharma/Non-pharma Industries. Further it organizes Pre-placement talks (PPT) who wish to visit college for recruitment by various companies which describe the selection process & the essential attributes that student need to have to be successful in the industries.

Rules and Regulations

Students must apply to a corporate after careful consideration. Strict action will be taken against students who negatively impact the reputation of the College by their actions or inaction while interacting with the corporate world especially during the recruitment process. All companies will conduct a pre-placement talk. The Placement Cell is not responsible for the profile of job being offered by the company. It is the duty of the student to clarify the same with the company. Students are advised to attend the interactive session for more information about the company, job description and the recommendation.

Placement Policy

If a student after the recruitment process is placed in a particular company, he or she would not be allowed to apply to another company in the same discipline. The student can select or apply in any company in the other one discipline.

If a student is placed in any company, he/she will exhaust all further placement opportunities.

If a student's name is enlisted in the Waiting List of a particular company, it will not be considered as a placement and he/she will be allowed to apply to other companies.

If there is a time gap between the recruitment process and the declaration of the results by a particular company, the student will be allowed to apply to another company during this period. But if he is selected in both the company he/she will not be allowed to apply again.

Pay packages for the students ranges from 1,00,000 to 3,50,000 per annum.

TOP RECRUITERS OF OUR COLLEGE

1. Fresenius Kabi India Pvt. Ltd
2. Naovartis India Ltd
3. WNS, Nashik
4. Sanjivani Hospital
5. Lokmanya Hospital

6. Vital Healthcare
7. Neuvocare Pharmaceuticals Pvt Ltd
8. HCG Manavata Cancer Hospital
9. Cognizant
10. Indi-Chemist (Badho India Group)
11. Maxheal Pharmaceuticals Ltd
12. Wellness Forever Mediacre Pvt Ltd
13. Kapynag Pharma
14. Eris Lifesciences
15. Alembic Pharmaceuticals
16. J. J. Hospital
17. Scitech Specialities Pvt Ltd

Items	LYG (2020-21)	LYGm1 (2019-20)	LYGm2 (2018-19)
Placement index (from 4.7)	0.75	0.80	0.79

Performance in GPAT and admission in Premier Institutes

GRADUATE PHARMACY APTITUDE TEST (GPAT) is a national level entrance exam for entry into M Pharm Programmes. Till 2018, it was conducted by All India Council for Technical education(AICTE) every year as per the directions of Ministry of Education, Govt. of India. The test is now conducted by the National testing Agency (NTA). This test facilitates institutions to select suitable Pharmacy graduates for admission into the Master's (M.Pharm) program. The GPAT is a three hour computer based online test which is conducted in a single session. The GPAT score is accepted by all AICTE-Approved Institutions/University Departments/Constituent Colleges/Affiliated Colleges for admission to M.Pharm Course. A few scholarships and other financial assistance in the field of Pharmacy are also given on the basis of the GPAT score.

CAYm1(2020-21)**List of Students Qualified GPAT/ GATE during 2020-21**

S. No	NAME OF THE STUDENTS	GPAT SCORE	AIR
1	Shubhangi Rajendra Khode	271	88
2	Kaveri Sanjay Wagh	233	393
3	Priyanka Sunil Kale	222	577
4	Moushumi Milon Patra	217	686
5	Sampada Satish Shinde	214	757
6	Vedant Sunil Joshi	214	757
7	Sayali Krushna Malode	202	1074
8	Priya Kudi	199	1172
9	Sayali Sahebrao Bhosale	188	1642
10	Sujata Rameshwar Rajewar	184	1851
11	Shraddha Rushigir Gosavi	179	2137
12	Twinkle Dadaji Gharate	165	3182
13	Rishikesh Koshti	165	3182
14	Smita Kulkarni	163	3261
15	Nitesh Govind Shirode	159	3797
16	Khushal Balu Chaudhari	153	4462
17	Sampada Deorao Darade	153	4462
18	Mansi Ashok Bagul	150	4766
19	Mansi Subhash Thakur	135	6926
20	Rohan Bhadange	118	10608
21	Karshada Bacchav	117	10843

List of Students Qualified NIPER during 2020-21

S.No	Name of the students	AIR
1	Shubhangi Rajendra Khode	154
2	Kaveri Sanjay Wagh	271
3	Twinkle Dadaji Gharate	312
4	Priya Kudi	387
5	Vedant Sunil Joshi	665
6	Sampada Satish Shinde	901
7	Priyanka Sunil Kale	1014
8	Moushumi Milon Patra	1125
9	Sayali Krushna Malode	1212
10	Sujata Rameshwar Rajewar	1497

Many of the students were placed in Premier Institute for eg.,

- Bagul Mansi Ashok, Gharate Twinkle Dadaji and Kudi Priya Sujaram in NIPER, Guwahati,
- Joshi Vedant Sunil in NIPER Kolkotta,
- Khode Shubhangi Rajendra and Wagh Kaveri Sanjay in NIPER Ahmedabad,
- Kulkarni Smita in NIPER Mohali,
- Shinde Sampada Satish in NIPER, Hajipur,
- Thakur Mansi Subhash in ICT, Mumbai,

- Shinde Shraddha Madan in Bombay College of Pharmacy, Mumbai.

Three students were admitted to Foreign University for MS Program. They are

- Gaikwad Prashant and Kadam Hrushikesh in Wrights State University, USA.
- Jadhav Survesh Manoj was admitted to New Haven University, USA.

CAYm2 (2019-20)

List of Students Qualified GPAT during 2019-20

S. No	NAME OF THE STUDENTS	GPAT SCORE	AIR
1	Soham V. Loharkar	244	92
2	Nakshatra S. Chaudhari	230	167
3	Shreya N Wagh	221	231
4	Mrudal R. Deshpande	219	259
5	Pranjal S. Thakare	211	361
6	Shruti P. Kulkarni	195	652
7	Pooja G Dhage	193	696
8	Pritik M Kedar	186	893
9	Sanchita Dey	180	1123
10	Roshani G. Bhadane	161	1976
11	Ashwini S. Ahire	154	2521
12	Pooja S. Niphade	152	2674
13	Dipti Phatangade	139	4002
14	Rupali N. Kanade	139	4031
15	Pratik R. Katore	137	4197
16	Akshada K Lade	106	10445
17	Swati K gore	80	19682
18	Khushal Chaudhari	154	2505
19	Shashikant Kate	137	4196

List of Students Qualified NIPER during 2019-20

S.No	Name of the students	AIR
1	Nakshatra Chaudhari	73
2	Mrudul Deshpande	120
3	Shruti Kulkarni	326
4	Pratik Katore	467
5	Sanchita Dey	869
6	Rupali Kanade	1015
7	Shreya Wagh	1272
8	Soham Loharkar	1490
9	Pratik Kedar	1666
10	Swati Gore	2238
11	Ashwini Ahire	2372

Many of the students were placed in the Premier Institutes for eg.,

- Chaudhari Nakshatra Sharad, Deshpande Mrudul Rajeev, Katare Pratik Ravindra and Kulkarni Shruti Prakash in NIPER Ahmedabad.
- Gore Swati Kailas in NIPER Guwahati .
- Khedkar Sanjyot Sopan in ICT Mumbai,
- Sanchita Dey in BITS Pilani.

CAYm3(2018-19)**List of Students Qualified GPAT during 2018-19**

S.No	NAME OF THE STUDENTS	GPAT SCORE	AIR
1	Salunke Gaurav B.	208	161
2	Patare Rishikesh D.	205	175
3	Chaoudhari Nikhil S	185	361
4	Hagawane Apurva T.	164	826
5	Srivastava Shrey A.	160	946
6	Sukenkar Shubhangi S.	157	1073
7	Shinde rfutuja B.	136	2268
8	Mahajan Bhushan S.	136	2268
9	Atale Diksha S.	134	2478
10	Bande Neelam N.	127	3236
11	Mahajan Shubham D.	127	2767
12	Suryawanshi Mayuri H.	125	3105
13	Shaikh Minaz P.	125	3463
14	Chaudhari Khushal	123	3773
15	Gaikwad Prajakta V.	114	5146
16	Kale Akshada S.	107	6523
17	Palve Ajit Chandu	81	14579
18	Pawara Pranita M.	80	14949
19	Chaudhari Pratibha H.	76	16751

List of Student qualified GATE Exam in the academic Year of 2018-2019

S.No	Name of student	GATE MARKS	AIR
1	Patil Anita Laxman (Final Year B Pharm)	373	2483

List of Students Qualified NIPER during 2018-19

S.No	Name of the students	AIR
1	Bhushan Mahajan	212
2	Hagawane Apurva	553

Many students were placed in premier institute for eg.,

- Mahajan Bhushan Sandip and Hagawane Apurva Tanaji in NIPER Mohali.
- Srivastava Shrey A in BITS Pilani,
- Bande Neelam Naresh and Patil Nikita Yavaraj in ICT , Mumbai.
- Patil Anita Laxman in BHU, Varanasi.
- Shinde Rutuja Babasaheb in BCP, Mumbai

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

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

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

The faculty takes effort to assist in the overall growth of the students in building their attitude, skill and behavior. This is done in a well planned manner by organizing guest lectures, workshops, seminars, Industry-Institute interactions, attending national and international level seminars and attending industrial training. The following table provide the outcome of improvement in academic performance of MGVS students.

Academic Performance Index	CAYm1 (2020-21)	CAYm2 (2019-20)	CAYm3 (2018-19)
Mean of CGPA or Percentage of all successful the students (X)	8.41	8.05	6.96
Total no. of successful students (Y)	56	49	58
Total no. of students appeared in the examination (Z)	56	49	60
API = $X/10 * Y/Z$	0.84	0.80	0.67

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

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

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 skill 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 - 100

Course	Duration	Sanctioned seats
B. Pharm	4 Years	100

Through CAP: 80% Seats of Intake (80 Seats)

Institute Level: 20% Seats of Intake (20 Seats)

B) Eligibility conditions and requirement for admission

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.e. Shikshan Shulka Samiti www.sssamiti.org

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

- A) Students should have passed D. Pharm with 50% Open category and 45% for other category. Admissions are purely by merit basis and governed by CAP through DTE body.

Item		CAYm1 (2020-21)	CAYm2 (2019-20)	CAYm3 (2018-19)
National Level Entrance Examination (Name of)	No. of Students admitted	06	02	02
	Opening Score/Rank	88.51	83.00	298

the Entrance examination: NEET)	Closing Score/Rank	59.92	81.44	264
State/University/Level Entrance Examination/Others (Entrance examination: MHT-CET)	No. of Students admitted	33+4 (EWS)+2(TFWS)	16	17
	Opening Score/Rank	95.81 95.57(EWS) 97.18(TFW S)	97.87	118
	Closing Score/Rank	78.58 89.84(EWS) 96.10(TFW S)	8.870	61
Name of the Entrance Examination for Lateral Entry or lateral entry details (Admission based on second year Diploma % Marks)	No. of Students admitted	10+1(EWS)	08	07
	Opening Score (%) /Rank	97.20 78.30(EWS)	87.50%	85.40%
	Closing Score (%) /Rank	92.70 --(EWS)	78.20%	76.70
Average CBSE/Any other Board Result of admitted students (Physics, Chemistry & Biology)		--	--	--

Lateral Entry % : 2018-19= 10%, 2019-20& 2020-21=10%

7.5 Actions taken based on the results of evaluation of each of the POs (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 written as 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 practicals, 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.

POs Attainment Levels and Actions for improvement – CAY (2021-2022)

POs	Target Leve	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	3.0		It was observed that students should understand the Importance of Profession Training and Placement related with pharmacy for better future so that give their services to the society in broader context.
Action taken: It is essential that students should have core and basic knowledge associated with the profession of pharmacy and to inculcate the same concept lecture entitled			

“Importance of Profession Ready Training and Placement programme” was conducted on 27/07/2021. The lecture was delivered by Pruthi.J.(BOD) Clini INDIA. The lecture provides importance of training and various placement available in different areas of pharmacy sector where students can opt there career and give their valuable services to the society.

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	3.0		It was observed that students should have effective planning abilities including time management, resource management, delegation skills and organizational skills. Also students should develop and implement plan for better future.
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Action taken: To understand the importance of effective planning abilities, time management, resource management, delegation skills and organizational skills for betterment of future lecture on Pharma Career Guidance on dated 24/08/2021 was arranged for the students. The lecture was delivered by Mr. Amol Gavande , Founder- CEO- Smartchem Plus and Director: Chemnext Pharma PVT. Ltd.. The lecture highlights the importance of time management, organization skills and resource management and various career opportunities present in pharma sector.

PO3:

Problem analysis: Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyse, evaluate and apply information systematically and shall make defensible decisions.

PO3	3.0		It was observed that students should utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice.
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Action Taken: In order to understand and utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice various activity under startup and innovation cell were carried out. Students were Participated on the competition containing varied topics like “ Sustainable energy resources and its innovative applications”, “Be vocal for local for Atamanirbhar Bharat”, etc. Students were participated in the competition and presented their thoughts for problem solving in the concern subjects.

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	3.0		It was observed that students need to understand the concept of Vaccine development and the modern practices that are adopted for the development of pharmaceutical vaccines.
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<p>It was felt that students need to learn and should have knowledge about current practices in vaccine development. Hence lecture was arranged on topic “Current Trends in the Vaccine Development” on dated 14/12/2021. The topic mainly focuses on modern practices that are adopted in vaccine development and the challenges faced during vaccine development.</p>			
<p>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.</p>			
PO5	3.0		<p>It was felt that students should play active participatory roles as responsible citizen and must play leadership role for the well being of the society.</p>
<p>To understand the concept of team and leadership principle, various activity under NSS like Yoga Day, Grain distribution to needy people, Swachhata Abhiyan, AIDS day, NSS camp (7 days), etc were carried out. Students were participated actively and give their services to the society as a responsible pharmacy students and citizen.</p>			
<p>PO6 : Professional Identity: Understand, analyse and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers employers, employees).</p>			
PO6	3.0		<p>It was felt that students should know the various fields of Pharmacy where they explore their career and can benefit the society as a health care professional.</p>
<p>To understand the importance of pharmacy and the various fields of pharmacy where students can play an active role as a health care professional , lecture on “Study & career opportunities in USA and Abroad in Pharmacy” on dated 31/08/2021. The lecture was delivered by Dr.Rahul Nahire Laboratory Director: Lighthouse Lab services ,Holly Springs ,USA & Founder of Rajdeep study Abroad. The lecture delivered talk on various opportunities present abroad related with Pharmacy.</p>			
<p>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</p>			
PO7	3.0		<p>It was observed that students were unaware about honoring personal value and how to apply ethical principles in professional and social contexts related with entrepreneurship.</p>

Action Taken: To inculcate the concept of leadership, entrepreneurship ethics and participatory role of students in the improvement of health and well-being of the society lecture on “Flipping Scenario in Entrepreneurship Practice by twentyfirst century” was conducted on 30/10/2021. The lecture was delivered by Mr. Rohan Pawar. The lecture focuses on opportunities and challenges associated with Entrepreneurship. The lecture delivered the talk on management skills and leadership skill required for Entrepreneur and what possible role the Pharmacy graduates can play for the society by opting Entrepreneurship as there career

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	3.0		It was observed that students should know how to write an effective report and make effective presentation.
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Action Taken: To make aware of the students regarding effective report writing and making effective presentation, lecture was arranged on topic “Hospital and it's organization” on dated 25/12/2021. The lecture was delivered by “Dr. Raghavendra M. Bhutada” . He delivered talk on effective report writing and making effective presentation required for hospitals daily practice.

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	3.0		It was observed that students must understand the importance of Pharmaceutical research and the global opportunity associated with clinical Pharmacology in drug development.
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Action1: To ascertain and understand the importance of Research and career opportunity associated with pharmaceutical field, lecture was organized on dated 09/10/2021 on topic “Role of clinical Pharmacology in drug development” which was delivered by Dr.Anirudhdha Amrite. The speaker addresses the Global Research Opportunity that are present in pharmaceutical field and the role of clinical Pharmacology in drug development.

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	3.0		Modern life style has disturbed the normal way of routine of all human beings that leads to stress and development of many diseases in human. Hence the role of Ayurveda plays a prominent role to balance the daily
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			life.
Action1: Modern life style has disturbed the normal life of humans and hence lecture on Modern life style and Ayurveda was delivered by Dr. Manjusha More on dated 01/07/2021. The lecture delivered on talk how Ayurveda can help to improve the lifestyle of human along with the benefits given in ecofriendly 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-assess and use feedback effectively from others to identify learning needs and to satisfy these needs on an ongoing basis.			
PO11	3.0		It was observed that students should understand the importance of Regulatory affairs in ongoing technological changes.
Action 1: To understand the impact of Regulatory affairs on product approval and required changes for product approval in different regions were discussed in the lecture entitled “Drug Regulatory affairs and Intelligence” on dated 11/03/2022. The lecture was delivered by Mr.Amit Khodke. The lecture focuses on Different requirements of product approvals for different regions of countries and the process thereof.			

POs Attainment Levels and Actions for improvement – CAYm1 (2020-2021)

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	3.0	2.63	Observations It was observed that students were aware of theoretical aspects of IR spectroscopy but, they were unaware of IR spectra interpretation.
Action 1: To make students aware of IR spectra interpretation lecture entitled “Spectral Interpretation of IR” was delivered by “Dr. R. P. Marathe” on dated 24.08.2020 to make them aware of interpretation of IR spectra by considering different functional groups and use of this information in characterizing drugs and interaction of drugs with excipients.			

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	3.0	2.32	The students were lacking effective planning ability , including time management and resource management and to develop problem solving and decision making approach during daily routine.
Action 1: The lecture entitled “ Gandhi Myth and Reality” was conducted on 02/10/2020. It gave a knowledge about how Gandhiji was an effective leader with good Planning ability. This approach served as a guide for our pharmacy students to manage and handle difficult situations that they would face in their life. The students were taught about the time management and resource management and to organize works to meet deadlines.			
PO3: Problem analysis: Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyse, evaluate and apply information systematically and shall make defensible decisions.			
PO3	3.0	2.79	It was observed that students were not aware of Spectral interpretation of UV spectra and use of the information in R & D.
Action 1: The lecture entitled “Spectral interpretation of UV” by Dr. R. P. Marathe was arranged on dated 10/08/2020. The students were taught about the use of UV spectra in drug analysis and use of the information in R & D and product development.			
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	3.0	2.34	It was observed that Students were unaware about the latest concept of Role of Artificial Intelligence and machine learning in drug discovery process.
Action 1: Artificial Intelligence and machine learning are the emerging trends in drug design and discovery. Use of these techniques for drug development was discussed in the lecture so that students can get knowledge about the latest concept and emerging area of Artificial Intelligence and machine learning.			

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	3.0	2.10	<p>Observations:</p> <p>It was observed that students should understand and consider the human reactions while serving their duty to the society and should feel the importance of motivation, leadership and team building for fulfilment of professional and societal responsibilities.</p>
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To understand the concept of leadership and team building the college is actively engaged in NSS activity. Various programs under NSS like YOGA DAY, webinar on organ donation, AIDS day , NSS day, etc was conducted where students were actively participated and perform their respective task with effective team work.

PO6 :

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

PO6	3.0	2.45	<p>It was observed that students were unaware about the demands from both the pharmaceutical industry and regulatory authorities about the field of clinical data management</p>
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Action taken: The lecture was arranged entitled “Clinical Data Management” by Chirag Bhagat, Clinical Data Manager, Cognizant , Mumbai on dated 16.08.2020 who delivered the talk on Clinical data management. The lecture mainly focuses on demands from both the pharmaceutical Industry and the regulatory authorities about the process of collecting and managing research data in accordance with regulatory standard to obtain quality information that is complete and error-free.

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	3.0	2.18	<p>It was observed that students were unaware about honoring personal value and how to apply ethical principles in professional and social contexts.</p>
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Action taken: In order to teach students about honoring personal value and apply ethical principles in professional and social context , lecture was arranged on topic entitled “ Healthcare management as a career choice” on dated 19/12/2020. The lecture

was delivered by “Mr. Dhananjay Singh Rajput” Administrator , P D Hinduja Hospital and Medical Research Centre, Mumbai. The lecture mainly focuses on how pharmacy professional can do better in hospital management and perform their work under pharmaceutical ethics and the various opportunities and growth that are present in healthcare management area.

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	3.0	2.74	It was observed that students need to understand the importance of effective communication, along with making effective presentation and documentation for good employability.
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Action taken: To overcome the fear among students for English speaking and to generate confidence about interview College in collaboration with Mahindra Pride classroom project of Naandi Foundation had conducted training program entitled “Employment Enhancement and youth Livelihood Program” between 17/08/2020 to 25/08/2020. The Training was given by Kirti Gade through online zoom platform. The training imparts knowledge on effective communication skills , how to face interview and to make students socially aware about their responsibility as a responsible citizen.

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.

IPO9	3.0	2.40	As an important health care player, it was observed that pharmacy students should be get aware of importance of ORGAN DONATION for the benefit of society.
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Action1: The lecture entitled “Organ Donation” was delivered by “Dr. Deelip Bhavsar, M D Pathology, Malegaon” on dated 19/08/2020. The lecture delivered talk on organ donation process, its importance for the society and the types of organ that can be donated for the welfare of human beings.

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	3.0	2.01	It was observed that students should understand the importance professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development
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Action Taken: Various activity under startup and Innovation program of SPPU, Pune., AICTE and In House open Online Innovation Competition were carried out. Students were actively participated in the competition on various topics like safe disposal and resuse of PPE, Innovation in Packaging design, Improvement in public toilet operation, Mechanism to control river pollution. Students were faced the competition and give their thoughts about their projects that can be useful for the environment and for the society.

PO11 :

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

PO11	3.0	2.75	It was observed that students should be acquainted about how to prepare for the GPAT and NIPER examination for doing PG so that they could do well during entire life of their Pharmacy Profession.
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For students to get acquainted for preparing GPAT and NIPER entrance exam, fruitful interaction between GPAT/NIPER qualified students with the college B Pharm students was arranged on dated 17/05/2021 so that B Pharm students shall understand about how to prepare for the GPAT/NIPER examination so that they could do well in the exam and acquire detail knowledge about their subjects that could help them to perform well in their pharmacy carrier.

POs Attainment Levels and Actions for improvement – CAYm2(2019-2020)

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	3.0	2.61	It was observed that students need to know the management field where they can explore their career as a health care professional of Pharmacy profession.
Action Taken: It was observed that students should have the knowledge about the various field/areas in pharmacy profession where they can choose their career for the future. Hence lecture was arranged on Career Opportunity in MBA for pharmacy students. The lecture was delivered by Dr. Bhalerao J.V. and Dr. V. Y. Ahire of MBA College , Panchavati, Nashik on dated 04/02/2020. The lecture talk was delivered on Pharma Business management, Pharma sales and Marketing, and International Pharma Business.			
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	3.0	2.30	It was observed that student doesn't have planning about how to study for GPAT examination.
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Action Taken: For B Pharm students to prosper career in Pharmaceutical research, it is necessary that students should qualify GPAT examination. Hence lecture entitled "How to face GPAT and online examination" was delivered by Dr. Anwar R. Shaikh on dated 11/08/2019. The lecture covers the various techniques about how to study for GATE examination and to face online examination.

PO3:

Problem analysis: Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyse, evaluate and apply information systematically and shall make defensible decisions.

PO3	3.0	2.63	It was observed that students during their B Pharm graduation read about dissolution and its importance for product development. But students lack knowledge about the insight and practical concept of dissolution as per regulatory requirements.
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Action Taken: To understand the importance, concept and application of dissolution as per regulatory perspective, a lecture was arranged on "Dissolution, 21CFR and FTIR" on dated 13/08/2019. The talk was delivered by Mr. Sandip Jagtap, Lab. India Analytical Instruments Pvt. Ltd, Mumbai. The talk mainly focus on dissolution concept, Dissolution specification and IVIVC.

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	3.0	2.25	It was observed that Students were unaware about the latest concept of Role of Artificial Intelligence and its applicability in Pharmacy.
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Action Taken: Artificial Intelligence are the emerging trends for drug design in Pharmacy. Use of the AI techniques for drug development was discussed in the lecture entitled "Modern method of AI Based Assessment & Recruitment" which was delivered by Mr. Saurabh P. Kerhalkar on dated 13/09/2019 so that students can get knowledge about the latest concept and emerging area of Artificial Intelligence. Also the various opportunities regarding recruitments for Pharmacy graduates were also discussed.

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	3.0	1.94	It was observed that students must understand the importance of leadership and their participatory role in the improvement of health and well being of the society.
Action Taken: To inculcate the concept of leadership and participatory role of students in the improvement of health and well being of the society lecture on Entrepreneurship awareness was conducted on 21/08/2019. The lecture was delivered by Mr. Sunil Chandak. The lecture focuses on opportunities and challenges associated with Entrepreneurship. The lecture delivered the talk on management skills and leadership skill required for Entrepreneur and what possible role the Pharmacy graduates can play for the society by opting Entrepreneurship as there career.			
PO6 : Professional Identity: Understand, analyse and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees).			
PO6	3.0	2.30	It was feel that students should know the other field where they explore their career where they can the benefit the society as a health care professionals.
Action taken: For Pharmacy students there is huge opportunities not only in Industry but also in social administration as a health care professional. Hence a lecture was arranged on Career guidance for competitive exam which is delivered by “Mr. Ram Khairnar” of Universal Foundation, Nashik. He delivered talk on career opportunities in various fields like MPSC, UPSC, etc where pharmacist can play an active role and give their valuable services to the society as a healthcare professional.			
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	3.0	2.03	It was observed that students should know the career Path in Clinical Research and the ethics that need to follow during Clinical Research.
Action Taken: It was observed that students learn about clinical Research during their pharmacy course but students are not acquainted with the career in Clinical Research. Hence lecture was conducted on dated 12/05/2019 on “Career Path in Clinical research” which was delivered by Mr. Sachin Tadge, General Manager, Accutest Research Lab. Pvt.			

Ltd, Mumbai. The lecture mainly focuses on Career in Clinical Research and the ethics and norms that need to follow as per Declaration of Helenski and USFDA guidelines on Clinical research.

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	3.0	2.55	It was observed that students should know how to write an effective report and make effective presentation.
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Action Taken: To make aware of the students regarding effective report writing and making effective presentation, lecture was arranged on topic **Audit@Pharmaceutical Industry** on dated 22/02/2020. The lecture was delivered by Anup Ashok Shirude, Emcure Pharmaceuticals Pvt. Ltd, Pune. He delivered talk on effective report writing and making effective presentation required for audit. The thing which are essential for audit and regulatory compliance was discussed during lecture.

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	3.0	2.21	It was observed that students must understand the importance of Pharmaceutical research and the global opportunity associated with Pharmacy career.
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Action Taken: To ascertain and understand the importance of Research and career opportunity associated with pharmaceutical field, lecture was organized on dated 13/01/2020 on topic “Global Research Opportunity” which was delivered by Dr. Vaibhav S. Gawali, Post Doc Fellow of Cincinnati University, USA. The speaker addresses the Global Research Opportunity that are present in pharmaceutical field and the various area where students can build their Pharmacy Research career.

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	3.0	1.89	It was observed that student should have the knowledge of ecofriendly Hydrotropic solubilization technique that helps to improve solubilization of poorly water soluble drugs.
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To improve solubility and dissolution rate of poorly aqueous soluble drug is a challenging task. Many techniques are used to enhance solubility and dissolution rate of poorly water soluble drug. But majority of techniques are not ecofriendly because of use of different solvents and chemicals. Hence lecture on “ Ecofriendly Pharmaceutical Application of Hydrotropic solubilization, mixed hydrotropic solubilization, mixed solvency” was arranged on 20/06/2019. The lecture was delivered by Dr. R.K.Maheshwari, SGSITS, Indore. The lecture delivered talk on application of mixed hydrotropic and mixed solvency on improvement in solubility of poorly water soluble drugs.

PO11 :

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

PO11	3.0	2.73	It was observed that students should understand the importance of Regulatory affairs in ongoing technological changes.
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Action taken: To understand the impact of Regulatory affairs on product approval and required changes for product approval in different regions were discussed in the lecture entitled “ Regulatory Affairs” on dated 27/2/2020. The lecture was delivered by Mr. P. B. Bung , Unique Pharmaceutical Lab., Nani Daman, Gujrat. The lecture focuses on Different requirements of product approvals for different regions of countries and the process thereof.

Sr.No	Assessment Parameters	Marks	
		Prescribed	Institute
7	Continuous Improvement (75)		
7.1	Improvement in Success Index of Students without the backlog.	15	12
7.2	Improvement in Placement and Higher Studies	15	10
7.3	Improvement in the API of the Final Year Students	10	08
7.4	Improvement in the quality of students admitted to the program	15	12
7.5	Actions taken based on the results of evaluation of each of the Pos	20	14
	Total	75	56

CRITERION 8	Student support systems	50
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8.1 Mentoring system to help at individual levels (5)

Type of mentoring: Professional guidance/career advancement/course work specific/laboratory specific/all-round development. Number of faculty mentors: Number of students per mentor: Frequency of meeting:

(The institution may report the details of the mentoring system that has been developed for the students for various purposes and also state the efficacy of such system)

- Mentoring is a process that involves communication and is a learning and development partnership between the teacher and the student. At MGVS Pharmacy College, the mentor-mentee relationship is very cordial that ultimately prepares the students to develop personally and professionally to face the challenging world outside. At MGVS class teachers have been appointed for all four B. Pharm classes. The mentoring team consists of 29 teachers. Each faculty member is assigned a fixed number of students, right at the time of their joining of the program *i.e.* approximately 9-22 students per mentor.
- The faculty conducts six monthly meeting with students or as per the need, in order to evaluate their academic performance and provide proper orientation towards the program. The mentors guide them to rectify their shortcomings and solve their problems. Issues discussed with the students include attitude, behavior, skill development, attendance, study patterns, extra and co-curricular participation, communication skills, ragging, hostel and related food issues, psychological support and other related issues.
- Following information are collected from students: Students Personal Information, Previous Record/Result, Academic Performance, Competitive Examination Details, Details of Internship and Industrial Trainings, Scholarships Received, Co-Curricular and Extra-Curricular activities, Career counseling, Health issue.
- Soon after the first year admission, each year an orientation program is held for the students in presence of their parents to provide an overview of the course and its structure, scope of course, attendance, career guidance, the exam pattern, feedback mechanism, the importance of participation in extra co-curricular events and co-relating it with the program outcomes of the

course. The class teacher also plays a crucial role in the overall development with respect to attitude, skill and behavior of the student.

- Parents-Teacher Meeting is held once in each study year to brief the progress of their wards to their parents by the class teachers. This process has improved students' academic performance, attendance and participation in co-curricular and extra-curricular activities.
- The entire system for the student activities functioning is supported by- Anti-ragging Committee, Student Council, Student Redressal and Internal Complaints Committee.

Academic Year 2021-22:-

F.Y.B.Pharm

Sr.No.	Roll No.(F.Y.B.Pharm 2021-22)	Total Students	Staff Member Assigned
1	1 to 15	15	Mrs. S.H.Pawar Miss. G.H.Mate
2	16 to 30	15	Mr.R.D.Pathak Miss S.V.Valte
3	31 to 45	15	Mrs.S.P.Raokar Miss A.S.Dhokale
4	46 to 60	15	Dr.P.S.Patil
5	61 to 75	15	Mrs. V.V.Baisane Miss M.D.Thakor
6	76 to 90	15	Dr.U.S.Ulhe
7	91 to 110	15	Mr.P.D.More

S.Y.B.Pharm

Sr.No.	Roll No.(F.Y.B.Pharm 2020-21)	Total Students	Staff Member Assigned
1	1 to 15	15	Mr.P.P.Gadakh
2	16 to 30	15	Dr. R.R.Karmarkar
3	31 to 45	15	Dr. S.A.Katti

4	46 to 60	15	Mrs.A.P.Bhosale
5	61 to 75	15	Mrs.V.R.Jadhav
6	76 to 90	15	Mr.K.B.Chaudhari
7	91 to 103	13	Miss.B.R.Gupta
8	104 to 125(DSP 2021-22)	22	Miss.T.M.Wankhede

T.Y.B.Pharm

Sr.No.	Roll No.(F.Y.B.Pharm 2019-20)	Total Students	Staff Member Assigned
1	1 to 15	15	Dr.D.L.Attarde
2	16 to 30	15	Ms.S.J.Patil
3	31 to 45	15	Dr.T.N.Lokhande
4	46 to 63	16	Mrs.V.D.Rakibe
5	64 to 74.(DSP 2020-21)	11	Mr.B.P.Wagh

Final Year.B.Pharm

Sr.No.	Roll No.(F.Y.B.Pharm 2018-19)	Total Students	Staff Member Assigned
1	1 to 15	15	Dr.K.V.Bhambar
2	16 to 30	15	Dr.A.R.Rote
3	31 to 45	15	Dr.J.Y.Nehete
4	46 to 60	15	Dr.A.Y.Pawar
5	67 to 75 (DSP 2019-20)	9	Dr.M..Mohan

8.2. Feedback Analysis and Reward/ Corrective measures taken (10 Marks)

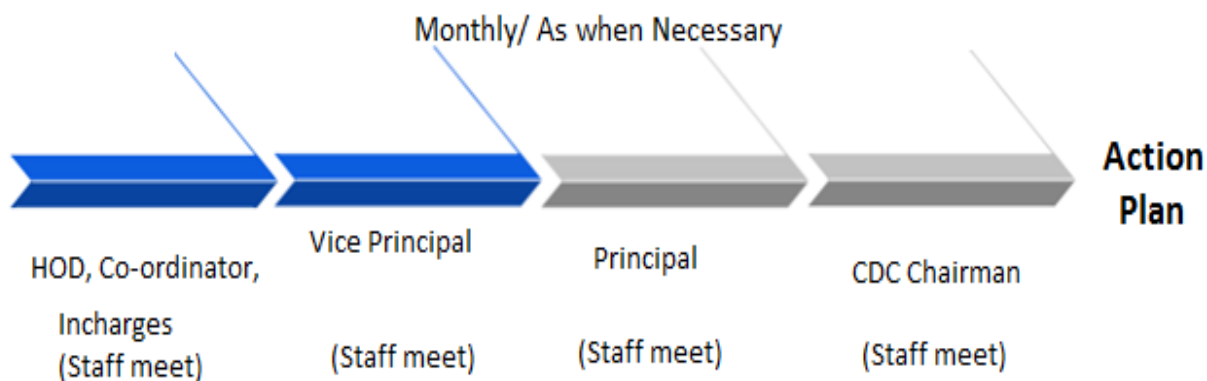
Feedback collected for all courses: YES/NO Specify the feedback collection process. Percentage of students who participated: Specify the feedback collection process: Basis of reward /corrective measures, if any: Number of corrective actions taken in last three years:

(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 PO)

Feedback about the teaching staff and facilities provided are collected at the end of each semester for all courses. The feedback is collected from students of every semester of all courses **through Google Feedback Forms**. All students participate.

Mechanism and its implementation

Online feedback about all the facilities provided by the college is collected once every semester. The feedback is kept anonymous and the concerned department, committee or individuals are counseled, and steps are taken to implement changes. A periodic review is conducted by the Principal along with the Vice Principal to check the changes made and if they are continued. A repeat feedback is taken verbally from a representative audience directly by the Principal wherein the students can voice their view in a confidential environment. Feedback collected from the students is analyzed.



- Students provide feedback on teachers. Questionnaire system adopted is based on:-

- 1) Sincerity and commitment of teacher.
- 2) Communication skill of teacher.
- 3) Interest generated by teacher regarding the subject.
- 4) Syllabus covered by the teacher.
- 5) Preparedness of teacher for the class
- 6) Encouragement of student to participate in discussions/quiz/etc topic related to subject.
- 7) Explanation provided in the practical's before conducting experiment

- Students give their feedback by using following four parameter scale as: Excellent-4, Very Good-3, Good-2, Fair-1. The scale points are averaged and converted into percentage. The metric values are given in the table below. The feedback is evaluated by the NBA co-ordinators/in charges.
- During covid-19 pandemic the questionnaire was reframed according to online teaching learning methodology adopted.

Faculty Feedback Analysis CAY (2021-22):- Term I

F.Y.B.Pharm (Sem.I) Div.I

Sr.No.	Subject	Subject I/C	Percentage
1)	Pharmaceutics-I	Prof.P.P.Gadakh	81.44
2)	Pharm.Inorganic Chemistry	Prof.A.P.Bhosale	85.64
3)	Pharm.Analysis-I	Prof.V.D.Rakibe	92.00
4)	Human Anatomy and Physiology	Prof. S.H.Pawar	85.70
		Prof. K.B.Chaudhari	68.28
5)	Communication Skill	Prof.R.D.Pathak	66.56
6)	Remedial Mathematics	Prof. S.Lavande	57.15
7)	Remedial Biology	Prof. K.B.Chaudhari	80.93

F.Y.B.Pharm (Sem.I) Div.II

Sr.No.	Subject	Subject I/C	Percentage
1)	Pharmaceutics-I	Prof.P.P.Gadakh	88.61
2)	Pharm.Inorganic Chemistry	Prof.A.P.Bhosale	87.57
3)	Pharm.Analysis-I	Prof.V.D.Rakibe	92.59

4)	Human Anatomy and Physiology	Prof. S.H.Pawar	89.14
		Prof. K.B.Chaudhari	80.43
5)	Communication Skill	Prof.R.D.Pathak	82.54
6)	Remedial Mathematics	Prof. S.Lavande	81.19
7)	Remedial Biology	Prof. K.B.Chaudhari	85.67

S.Y.B.Pharm (Sem.III)div I

Sr.No.	Subject	Subject I/C	Percentage
1)	Physical Pharmaceutics-I	Prof.B.P.Wagh	89
2)	Pharm.Microbiology	Prof.V.R.Jadhav	90
3)	Pharm.Engineering	Prof.B.R.Gupta	99
4)	Organic Chemistry-II	Dr.S.A.Katti	95

S.Y.B.Pharm (Sem.III)div II

Sr.No.	Subject	Subject I/C	Percentage
1)	Physical Pharmaceutics-I	Prof.B.P.Wagh	92
2)	Pharm.Microbiology	Prof.V.R.Jadhav	85
3)	Pharm.Engineering	Prof.B.R.Gupta	92
4)	Organic Chemistry-II	Dr.S.A.Katti	89

T.Y.B.Pharm (Sem.V)

Sr.No.	Subject	Subject I/C	Percentage
1)	Industrial Pharmacy I	Prof. K.V.Bhambar	82
2)	Medicinal Chemistry II	Dr. S.K.Mahajan	93
3)	Pharmacology II	Dr. Pankaj Patil	95
4)	Pharmacognosy and PhytochemistryII	Dr. D.L.Attarde	97
5)	Pharmaceutical Jurisprudence	Prof. S.J.Patil	94

Final Year B.Pharm (Sem.VII)

Sr.No.	Subject	Subject I/C	Percentage
1)	Instrumental Methods Of Analysis	Dr. A.R.Rote	75
2)	Industrial Pharmacy II	Prof. P.P.Gadakh	78
3)	Pharmacy practice	Dr. Mahalaxmi Mohan	88
4)		Prof. K.B.Chaudhari	83
5)	Novel drug Delivery System	Dr. A.Y.Pawar	80

Faculty Feedback Analysis CAY m1 (2020-21):-**F.Y.B.Pharm (Sem.I)**

Sr.No.	Subject	Subject I/C	Percentage
1)	Pharmaceutics-I	Prof.B.P.Wagh	88.53
		Prof.P.P. Gadakh	89.00
2)	Pharm.Inorganic Chemistry	Prof.A. P.Bhosale	92.50
3)	Pharm.Analysis-I	Prof.V.D.Rakibe	93.29
4)	Human Anatomy and Physiology	Prof.S.H.Pawar	87.25
		Prof.K.B.Chaudhari	88.00
5)	Communication Skill	Prof.R.D.Pathak	94.24

F.Y.B.Pharm (Sem.II)

Sr.No.	Subject	Subject I/C	Percentage
1	Computer Application	Prof.R.D.Pathak	94.13
2	Pathophysiology	Prof.S. H.Pawar	94.28
3	Biochemistry	Prof.V.D.Rakibe	95.29
4	Human Anatomy and Physiology-II	Prof.K.B.Chaudhari	90.72
5	Pharma.Org.Chemistry I	Prof.A.P.Bhosale	93.86
6	Environment Science	Prof.R.D.Pathak	94.56

S.Y.B.Pharm (Sem.III)

Sr.No.	Subject	Subject I/C	Percentage
1)	Physical Pharmaceutics-I	Prof.B.P.Wagh	94.86
2)	Pharm.Microbiology	Prof.V.R.Jadhav	92.29
3)	Pharm.Engineering	Prof.V.R.Jadhav	93.71
4)	Organic Chemistry-II	Dr.M.A.Tayde	95.99

S.Y.B.Pharm (Sem.IV)

Sr.No.	Subject	Subject I/C	Percentage
1)	Physical Pharmaceutics-II	Prof.B.P.Wagh	93.14
2)	Pharmacology-I	Prof.S.H.Pawar	95.85
3)	Med.Chemistry-I	Prof.S.J.Patil	96.43
4)	Pharm.Organic Chemistry-III	Dr.S.A.Katti	96.15
5)	Pharmacognosy & Phytochemistry	Prof.B.R.Gupta	94.00

T.Y.B.Pharm (Sem.V)

Sr.No.	Subject	Subject I/C	Percentage
1)	Industrial Pharmacy-I	Dr.K.V.Bhambar	68.28
2)	Medicinal Chemistry-II	Dr.S.K.Mahajan	92.85

3)	Pharm.Jurisprudence	Prof.S.J.Patil	92.29
4)	Pharmacology-II	Dr.P.S.Patil	85.86
5)	Pharmacognosy & Phytochem.II	Dr.D.L.Attarde	95.00

T.Y.B.Pharm (Sem.VI)

Sr.No.	Subject	Subject I/C	Percentage
1)	Pharm.Quality Assurance	Prof.P.P.Gadakh	79.43
2)	Medicinal Chemistry-III	Dr.S.K.Mahajan	95.14
3)	Pharmacology-III	Dr.P.S.Patil	88.86
4)	Natural Drug Technology	Dr.D.L.Attarde	97.86
5)	Biopharm	Dr.R.R.Karmarkar Prof.V.R.Jadhav	77.14 63.72
6)	Pharm.Biotechnology	Prof.V.R.Jadhav	59.86

Final Year B.Pharm (Sem.VII)

Sr.No.	Subject	Subject I/C	Percentage
1)	Sterile Product Technology	Dr.A.Y.Pawar	93.01
2)	Medicinal Chemistry-III	Dr.S.A.Katti	93.86
3)	Pharm.Analysis-V	Dr.A.R.Rote	89.43
4)	Pharmacology-IV	Dr.M.Mohan	89.86
5)	Natural Drug Technology	Dr.J.Y.Nehete	92.71
6)	Bio-pharmaceutics and Pharmacokinetics	Dr.K.V.Bhambar	88.71
7)	Pharm.Jurisprudence	Prof.V.D.Rakibe	91.38

Final Year B.Pharm (Sem.VIII)

Sr.No.	Subject	Subject I/C	Percentage
1)	Advance Drug Delivery System	Dr.A.Y.Pawar	93.14
2)	Cosmetic Science	Dr.K.V.Bhambar	82.15
3)	Pharm.Analysis-IV	Prof.A.R.Rote	88.49
4)	Medicinal Chemistry-IV	Dr.S.A.Katti	91.60
5)	Pharmacology-V	Dr.M.Mohan	92.42
6)	Natural Product	Dr.J.Y.Nehete	90.99
7)	Quality Assurance Techniques	Prof.S.E.Akade	90.50

Faculty Feedback Analysis CAY m1 (2019-20):-

S.Y.B.Pharm (Sem.III)

Sr.No.	Subject	Subject I/C	Percentage
1)	Pharmaceutical Organic Chemistry II	Dr.M.A.Tayde	89.13
2)	Physical Pharmaceutics-I	Prof.B.P.Wagh	70.75

3)	Pharmaceutical Microbiology	Prof.V.R.Jadhav	48.25
4)	Pharmaceutical Engineering	Prof.V.R.Jadhav	50.13

Final Year B.Pharm (Sem.VII)

Sr.No.	Subject	Subject I/C	Percentage
1)	Sterile Product Technology	Dr.A.Y.Pawar	97.25
2)	Medicinal Chemistry-III	Dr.S.A.Katti	96.00
3)	Pharm.Analysis-V	Dr.A.R.Rote	85.50
4)	Pharmacology-IV	Dr.M.Mohan	96.00
5)	Biopharm. & Pharmacokinetics	Dr.R.R.Karmarkar	62.00
		Prof.K.V.Bhambar	56.00
6)	Natural Drug Technology	Dr.J.Y.Nehete	95.00
7)	Pharm.Jurisprudence	Prof.K.B.Erande	95.00

Final Year B.Pharm (Sem.VIII)

Sr.No.	Subject	Subject I/C	Percentage
1)	Advance Drug Delivery System	Dr.A.Y.Pawar	87.75
2)	Cosmetic Science	Dr.K.V.Bhambar	65.83
3)	Pharm.Analysis-VI	Prof.A.R.Rote	78.38
4)	Medicinal Chemistry-IV	Dr.S.A.Katti	94.57
5)	Pharmacology-V	Dr.M.Mohan	92.26
6)	Natural Product	Dr.J.Y.Nehete	90.66
7)	Quality Assurance Techniques	Prof.V.D.Rakibe	83.17

Corrective actions taken:- Staff with maximum feedback percentage is awarded as Best Teacher-Appreciation letters and appreciation through mention in various meetings are done.

If feedback is Poor (less than 60%)-Corrective actions are taken by HOD and Principal-Counseling of staff to overcome the weakness identified.

8.3 Feedback on facilities (5)

(Assessment is based on feedback collection, analysis and corrective action taken in respect of library, computing facilities, canteen, sports, etc)

- Students also give feedback on facilities provided by college and questionnaire system mention the details as follows:-

1) Library Department-

- Opinion about the library material for the course
- Extent to which the material for prescribed readings are made available.
- Library staff co-operation and helpfulness.

- d) Reading space in the library.
- 2) Computer Department-
- Availability of internet access in computer lab
 - Sufficient computers available in lab
 - Co-operation and helpfulness by computer class staff
- 3) Administrative- Facilities related to office work such as admission, scholarships, etc.
- 4) Classroom- Cleanliness, adequate seating capacity, etc.
- 5) Washroom- Cleanliness.
- 6) Drinking Water facility
- 7) Canteen facility
- 8) Placement Cell facility
- 9) Laboratory Equipments handling and their working status.
- During covid-19 pandemic the questionnaire was reframed according to online facilities provided.

CAY m2 (2019-20)- Term I (Sem. III+VIII)

Sr. No	Dept	S.Y (III)	Final (VII)	Final (VIII)	Avg.
1)	Library	47	66	73.	62
2)	Computer	57	50	63	57
3)	Classroom	48	58	65	57
4)	Washroom	42	42	56	47
5)	Office-Administrative	53	64	76	64
6)	Placement	54	54	58	55
7)	Canteen	37	24	40	34
8)	Equipment	48	50	60	53
9)	Drinking Water	52	38	49	46

CAYm1 (2020-21)- Term I (Sem. I+ III+ V+ VII)

Sr. No	Dept	F.Y (I)	S.Y(III)	T.Y(V)	Final(VII)	Avg.
1)	Library	91	83	62	83	80
2)	Office-Administrative	90	85	67	81	81
3)	Placement	---	---	63	60	62

CAYm1 (2020-21)-Term II (Sem. II+ IV+ VI+ VIII)

Sr. No	Dept	F.Y(II)	S.Y(IV)	T.Y(VI)	Final(VIII)	Avg.
1)	Library	95	90	74	84	86
2)	Office- Administrative	95	92	77	79	86
3)	Placement	---	---	---	56	56

CAY(2021-22) -Term I

Sr. No	Dept	F.Y(I)	S.Y(III)		T.Y(V)	Final(VII)	Avg.
			Div I	Div.II			
1)	Library	NA	88	91	85	63	NA
2)	Laboratory	NA	86	86	85	58	NA

Corrective Actions Taken:-

- 1) Computer Dept:- New purchase of computers, availability of internet access done, self learning e-tools. The department also assists students in handling of DBT issues and SPPU online exam forms.
- 2) Canteen Facility:- Recruitment of new Caterer for improving canteen facility.
- 3) Implementation of system and overall administration work related to account section and scholarship is assisted by Campus 360 Software for the students and staff.

Feedback is also taken from Alumni, Parents, Industry, Examiners and Delegates or from Visitors diary to identify the weakness in facilities or in teaching learning skills and other parameters.

Alumni fill the feedback analysis whenever they get opportunity to visit the department or during Alumni meet. Parents give their feedback during the parent's teacher's interaction; representatives from industry give feedback about students during campus placements. Examiners feedback is taken after every practical exam at the end of each semester. Delegates from seminars also provide feedback on facilities etc.

Feedback Analysis of Parent Teacher Meet for academic year 2021-22

Sr.No.	Particulars	Outcome (%)
1	Building leadership qualities	98.3
2	Personality Development in multi disciplinary environment	98.3
3	Professional Development	96.6

Corrective Actions Taken:

- 1) Shift of focus from theory to Industry/Hospital Visits
- 2) Theoretical and Practical Knowledge being supplemented by senior faculty from the respective fields.
- 3) Introduction of lectures on Ethics and Value systems for the benefit of students.

8.4. Self Learning (5)

(Specify the facilities, materials and scope for self-learning/learning beyond syllabus and creation for facilities for self-learning/learning beyond syllabus)

Our **digital library** is equipped with many e- journals, e-books, project CD's and made available to the students to help them develop the habit of self-learning and learning beyond syllabus.

Our library provides following activities for self learning:-

- National Digital Library NDL by MHRD provides more than 6,50,000 e-Content material for self learning
- NPTEL courses conducted by MHRD educational videos are available.
- e-Books- more than 5700 soft copies are available.
- Free online Pharmacy Journals-281
- PHI Publications- More than 500 e-books
- Institutional repository contains the study material (e-content) developed and made available by Malegaon & Nashik campus.

- Springer – About 400 e-books are available for reference.
- Open access journals and URL are made available for research purpose.
- List of web portals of various universities is available for those students interested in higher studies.
- List of MOU's signed with college for further referencing.
 - 1) LVH Arts, Science & Commerce College, Panchavati ,Nasik
 - 2) SPPU, Pune
 - 3) Kusumagraj Pratisthan, Nasik
 - 4) MGV's IMR, Panchavati, Nashik.
- **INFLIBNET N-List** facility is provided to students for online searching of reputed national and international research articles.
- **Research Policy Framework Software by Clarivet** is made available for research purpose.
- **Download, printouts and Xerox facility** is freely available in computer and library department. Library department have latest configuration PCs with printer and attached with Xerox facility.
- Hostel Students are provided with **book bank facility** as a self learning facility.
- Our library is having hard bound journals of national and international repute. The back volumes are available. Soft copies of **faculty research articles** are maintained in library and made available to students for reference.
- In computer department students are allowed to prepare their power-point presentation and poster presentation.
- Our conference room is exclusively established with **ultra curve HD LED TV** for **audiovisual aids** for oral presentations.
- Our computer faculty member helps students in maintaining the soft copies of downloaded research articles and other materials.
- Every student in each class is enrolled with **Google Classroom** and they can view the uploaded literature and presentations as a self learning module.
- Students are having free internet usage as our campus is having Wi-Fi system.
- **Slide share** and **author stream** are available on **YouTube links** for referring various presentations of concerned subject.

All the above facilities, provides a useful tool in innovative teaching learning practices by our faculty members but also generates scientific attitude, innovativeness and inculcates the self-learning ability by students.

E-Content of syllabi developed by teachers – is at institute level. A Google link has been developed wherein at present all the students of pharmacy colleges of MGVTU can have access to it.

For better understanding of e-content for the students we have developed Google classroom for each class of B.Pharm and M.Pharm. Some user friendly software's used for learning and assessment include: Socrative, Kahoot, Quizz.com and prepared audio-video lectures uploaded in you-tube.

Teachers have prepared e-content PPT presentation, Audio recorded PPT, you-tube videos on the prescribed syllabus. The e-content of colleges situated in Nashik and Malegaon is shared in folder accessible to students. Institution is utilizing Google Classroom as LMS with Zoom, Google-meet, Teachmint platform.

Highlights of Self-learning facilities

Sr.No.	Content	Number
1	E-Journal –Inflibnet N-List	6000 e-journals
2	E-Books	5900
3	Project CD's	(Bpharm – 303 & Mpharm- 278) 581
4	Project	(Bpharm – 507 & Mpharm- 447) 954
5	NDL Library	All students
6	E-Mail Service (on demand)	All students
7	Assist Library Users in searching the information on the internet.	All students

8	SPPU's Jayakar library E library service.	Many e- resources are available for students.
9	MOU	1. Kusumagraj Pratisthan, Gangapur Road, Nashik 2. LVH Arts,Commerce, Science College, Panchavati, Nashik 3. MGV's Institute of Management and Research Center, Panchavati, Nashik 4. SPPU Sub Center Library, Canada Corner, Nashik
10	Institute Repository	NPTEL video lectures, Assignments, PPTs, E books, free E Journals, CD's, question papers, all teachers' e-material.

MGV Pharmacy College Alumni Association invites experts from industry to share their knowledge, motivate and update the students regarding recent advances and future scenario in Pharma sector.

Students are encouraged to participate in NPTEL Online Courses which helps them to develop their self learning techniques which may assist in their future academic growth.

List of students participated in NPTEL course

Sr. No.	Name of Student	Topic	Duration
1	Akansha Khandwe	Drug delivery: Principles and engineering	Sep-Dec 2020
2	Holkar Akansha	Biomedical Nanotechnology	Sep-Oct2020
3	Sakshi Boraste	Biomedical Nanotechnology	Sep-Oct2020
4	Sunil Suthar	Drug delivery: Principles and engineering	Sep-Dec 2020
5	Rutuja Pawar	Biomedical Nanotechnology	Sep-Oct2020

6	Ajaykumar Rathod	Biomedical Nanotechnology	Sep-Oct2020
7	Abhijeet Khairnar	Currently regulatory requirements for conducting clinical trials in India for investigational new drugs/ new drug (version 3)	Aug-Oct 2021

For advanced learners college conducts regular-(weekly basis) test series for preparation of GPAT, the competitive examination for admission for M.Pharm, MGV's PAT Series, after every test series toppers are identified. Also for their guidance guest lecturers regarding GPAT and TOFEL are arranged.

Remedial Coaching for slow learners: Subject in charges is able to identify weak students during interaction in the class, laboratories as well as performance in Sessional examination. The personal remedial coaching for respective subject is provided by the subject teacher as well as mentors are regularly in touch with mentees and guide for specific coaching if required by the student.

Laboratory curriculum is supported by experiments beyond syllabus thus supplementing the syllabus with additional skills.

Students are generally encouraged to attend seminars/ workshops conducted in /outside college.

CAYm2(2019-20):-

Sr.No.	Name of the Student	Activity	Organized By	Participation/Awards
1	Priyanka Kale	Model making competition	Mahatma Gandhi Vidyamandir's Pharmacy College, Panchavati	2nd Prize
2	Priyanka Kale	Pharma Model Making	(NPW)Royal College of Pharmaceutical Education & Research	Participated
3	Bagul Manasi	Certificate Programme on "Scope and	Institute of Pharmaceutical	Certificate Programme

		Potential after Pharmacy"	Education and Research	
4	Bagul Manasi	Model making competition	Mahatma Gandhi Vidyamandir's Pharmacy College, Panchavati	Participated
5	Bagul Manasi	Skit Competition	(NPW)Divine College of Pharmacy, Satana	Participated
6	Agrawal Tejal	Skit Competition	(NPW)Divine College of Pharmacy, Satana	Participated
7	Gharate Twinkle	Skit Competition	(NPW)Divine College of Pharmacy, Satana	Participated
8	Gaikar Rushikesh	Chart making competition	Mahatma Gandhi Vidyamandir's Pharmacy College, Panchavati	3rd Prize

CAYm1(2020-21):-

Sr.No.	Name of the Student	Event	Activity	Organized By	Participation/Awards
1	Gharate Twinkle	Webinar on "Role of Artificial Intelligence and Machine Learning in Drug Discovery Process "	Webinar	MGV's & SPH	Participated
2	Akansha Shinde	Innofest Summit 2021	Competition	SPPU, Pune	1st Winner, 3 Lakh.
3	Akansha Shinde	Responsive Emergency Services	MH2 Hackathon 2021	IIT Mumbai	Participation
4	Akansha Shinde	Screening Device	eMedha 2021	BETIC, IIT Mumbai	Winner
5	Akansha Shinde	Catechization 2021	Topical Quiz Competition	Econ Club, KMK COP Mumbai	Participation
6	Akansha Shinde	MGV's Annual Day & Mahatma Gandhi	Essay	MGV PC	1st

7	Akansha Shinde	MGV's Annual Day & Mahatma Gandhi	Drawing	MGV PC	2nd
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CAY (2021-22):-

Sr.No.	Name of the Student	Event	Activity	Organized By	Participation/Awards
1	Vaishnavi Sonawane	National Level Flyer Competition	Competition	D.Y.Patil Pune	2nd Runner Up
2	Dinesh Revgade	Foundations of Chemical Safety and Risk Management for Chemistry Students	Lab Safety Programme	ACS Institute Learning Development Excel	Certificate course
3	Pooja Malode	Problem Solving Competition	Competition	PES Modern COP,Moshi Pune	Winner
4	Akansha Shinde	World Entrepreneurship Day 2021	Essay & Poster Competition	Sinhgad Technical Edu.Sinhgad COP,Pune	Participation
5	Akansha Shinde	APTI Women's News Forum	Newsletter	APTI	Consideration
6.	Madhura Gaikwad	IDEATHON-22	Innovation competition	Karad	Participation
7	Prajwal Shinde	YOUTH SUMMIT-22	YIN	Sakal Media, Nasik	Participation and Felicitation by MUHS,VC

8.5 Career Guidance, Training, Placement (10)

(Specify the facility, its management and its effectiveness for career guidance including counseling for higher studies, campus placement support, industry interaction for training/internship/placement, etc.)

Facility:

- College has training and placement cell comprising of staff and alumni members.

- The basic **objective of this cell** is to provide a platform for interaction between students and the experienced professional in various domains, in order to groom them professionally to prepare for challenging career opportunities.
- Guest lecturers from professionals are invited regularly so that students take advantage and are benefitted by expert talk.
- The broad areas covered includes personality development, motivational lectures, presentation skills to face an interview, writing resume, interview techniques, bridging gap between industry and academy, career options for pharmacy students etc.
- Career guidance to the students is also provided by regularly arranging industrial and hospital visit in association with career club consultancy and management.
- The placement cell at MGV's Pharmacy College actively bridges the gap between students and corporate organization. The institute's placement cell functions under the supervision of committee in charge and operate all year round to conduct campus interview for the students.

Facility Management

Training:-

- As per PCI regulation, it is mandatory for the students to undertake industrial training in pharma unit. The training helps to understand the set up of industry and use of latest equipments and instruments. The industry issues a completion certificate at the end of the term, which is collected by the college.

Placement: -

- MGV's Pharmacy College through its teaching and learning process is committed to create students which would enable them to be absorbed by the industry. The college invites reputed companies and other industries that show interest in participating in Job Fest. The students need to be present in their formal dress at the time of campus placement. The session begins with pre-placement talks with the candidates wherein the recruiters highlight about their company, their product, requirement and recruiting policies before the commencement of the interview process.
- Students are advised to attend the interactive sessions for more information about the company, job description and the recommendation.
- The data bank of the students profile is maintained by the T & P cell and the interested students submit their CV's directly to the cell.

- Students must apply to corporate after careful consideration. Students need to present themselves morally and ethically to keep the reputation of the college through their actions while interacting with the corporate world especially during the recruitment process.
- Students are advised to attend the interactive sessions for more information about the company, job description and the recommendation.
- Information regarding selection of candidate is passed on the placement committee of the college by the company.

Effectiveness:

- These measures have proven to be effective as it is evident that the numbers of reputed pharma companies visiting our campus/ online have increased significantly.

Some Guest Lectures pertaining to placement cell

CAYm2(2019-20):-

Sr. No.	Date	Topic and Subject	Resource Person	Students Present
1	12/05/20	Career Path in Clinical Research	Mr. Sachin Tadge, General manager, Accutest Research Laboratories Pvt Ltd.	80 Participants B.Pharm M.Pharm students
2	11/08/2019	How to face GPAT and other online exams?	Dr. Anwar Shaikh	B.Pharm M.Pharm students
4	13/09/2019	Modern methods of AI based assessments and recruitments. (HIREMEE)	Mr. Saurabh P. Kerhalkar	B.Pharm M.Pharm students
5	20/09/2019	Career Guidance for competitive Exam(Universal Foundation)	Mr. Ram Khairnar	B.Pharm M.Pharm students
6	13/02/2019	Career Counseling	Prof. Ulhas Kharkhanis Associate Deo Pharma and Healthcare	B.Pharm M.Pharm students
8	28/12/2019	Clinical Pharmacology Current research Scenario at abroad	Dr, Aniruddha amrite Director clinical Pharmacology, Dicerna Pharmaceuticals	B.Pharm M.Pharm students

9	13/01/2020	Global research opportunity	Dr. Vaibhav Shantaram Gawali, Post doc. Fellow, at Cincinnati University, USA	B.Pharm M.Pharm students
10	04/02/2020	Career after B.Pharm	Mr. Siddharth Patil Career consultant Surat	B.Pharm M.Pharm students
11	04/02/2020	Study abroad opportunity	Mr. Amit Gore Akshay abroad consultant, Nashik	B.Pharm M.Pharm students
12	04/02/2020	Career opportunity in MBA	Dr. Bhalarao J.V. and Dr. V.Y. Ahire, MBA College Panchavati Nashik	B.Pharm M.Pharm students
13	22/02/2020	Audit at Pharmaceutical Industry	Mr. Anup Ashok Shirude, Emcure Pharmaceutical Pvt. Ltd	B.Pharm M.Pharm students
14	27/02/2020	Regularity affairs	Mr. P. B. Bang Unique Pharmaceutical Laboratories Pvt.	B.Pharm M.Pharm students

CAYm1(2020-21):-

Sr. No.	Date	Topic and Subject	Resource Person	Student Present
1	07/08/2020	Pharma Business in US & EU(Patients,Payors,Patents and Generic Outlook and future)	Dr.Arvind Sonawane Analytics Newbridge Pharmaceuticals, Dubai	135 B.Pharm /M.pharm and staff
2	21/07/2020	Role of artificial intelligence and machine learning in drug discovery process.	Dr.Bhushan Bonde Sangers institutes Cambridge (UK)	124 B.Pharm /M.pharm and staff
3	09/08/2020	Stress testing an integral part of Pharmaceutical Product Development	Dr.Omkar D.Sherikar Senior Executive (Reviewer) ARDL,FDC Ltd Mumbai	115 B.Pharm/M.pharm and staff
4	16/8/2020	Clinical data Management	Ms Chitra Bhagat,Clinical Data Manager,Cognizant, Mumbai	55- B.Ph and M. ph students
5	17/12/2020	Channelizing your Pharmacy Degree towards lucrative Professional life	Mr.Pranav R. Gadgil (Alumni) Baeyork Enterprises Nashik	55 Participants

6	19/12/2020	Healthcare Management as a career choice	Mr.Dhananjay Singh Rajput(Alumni)	65 Participants
7	13/2/2021	“Tips and Strategies for GPAT Exam”	Mr. Sachin Kushare, Scientist, Glenmark Pharmaceutical Limited, Sinnar, Nashik.	90 B.Pharm students

CAY(2021-22):-

Sr. No.	Date	Topic and Subject	Resource Person	Students Present
1	9/6/2021	Palliative Awareness and Training programme	Cipla Palliative care training session for Pharmacist students through zoom link provided by Cipla	68 participants +04 staff
2	1/8/2021	“Journey from Pharmacy to world’s Peace Ambassador.”	Amjadkhan A. Pathan (Chairman) Asanaj Healthcare Education & Research Foundation	80 Participants
3	21/09/2021	Preparation Strategy for GPAT-2022	Dr.Deepak Patil Asso.Prof.,HRPatel Shirpur,Dhule	136
4	27/7/2021	Importance of Profession Ready Training and Placement programme	Prutha.J. (BOD) Clini INDIA	100
5	24/8/2021	Pharma Career Guidance	Mr.Amol Gavande Founder CEO of Smartchem	100 Participants
7	9/10/2021	Role of clinical Pharmacology in drug development	Dr.Anirudhdha Amrite(Alumni)	100
8	14/12/2021	Current Trends in the Vaccine Development	Mr. Vishal Sonje,(Alumni) Hyderabad	85
9	11/3/2022	Drug Regulatory affairs and Intelligence	Mr.Amit Khodke (Alumni)	100

Impact: -

Our college training and placement cell is committed to provide maximum possible guidance to our graduate students to achieve their career goals. A few industries that have visited our college and assisted in placement program are as under: -

Top Recruiters of Our College

Sr. No.	Name of Industry
1.	Fresenius Kabi India Pvt Ltd,
2.	Naovartis India Pvt Ltd,
3.	WNS Nashik
4.	Sanjivani Hospital
5.	Lokmanya Hospital
6.	Vital Healthcare
7.	Neuvocare Pharmaceuticals Pvt Ltd.
8.	HCG Manavata Cancer Hospital
9.	Cognizant
10.	Indi-chemist
11.	Maxheal Pharmaceuticals Ltd.
12.	Wellness forever Medicare Pvt Ltd
13.	Alembic Pharmaceuticals Ltd.
14.	J.J.Hospital
15.	Scitech Specialities Pvt Ltd

Grooming Sessions/ Interview Skill development sessions:-

Sr. No	Date	Topic and subject	Resource Person & address	Students present
1	09/07/2019	Employability Enhancement & youth livelihood program	Naandi Foundation / Mahindra Pride Classroom/ Mahindra group of companies CRS activities	32
2	09/07/2019 to 02/08/2019	Employability Enhancement program	Naandi Foundation / Mahindra Pride Classroom/ Mahindra group of companies CRS activities	30
3	17-08-2020 to 25-08-2020	Employability Enhancement program	Naandi Foundation / Mahindra Pride Classroom/ Mahindra group of companies CRS activities	80
4	07/10/2021	Employability Enhancement	Naandi Foundation / Mahindra	70

	to 16/10/2021	program	Pride Classroom/ Mahindra group of companies CRS activities	
5	25/5/2021	Pallative Awareness and Training programme, On line Training programme for 2 Hrs	Cipla Healthcare	92 TY, final year B.Pharm
6	9/6/2021	Pallative Awareness and Training programme On line Training programme for 2 Hrs	Cipla Healthcare	68 M.Pharm I and II year
7	13/10/2021	Grooming session on Kar lo Safalta Muththi Main	Lokmat and Gillete Guard	39
8.	17/01/2022	Rubicon Skill Development – Training on soft skills	Barclays Lifeskill Program in association with Rubicon Foundation (NGO Partner)	74, Final Year B.Ph and M.Ph students

The impact of training and placement cell

Sr. No	Year	No B.Pharmacy Students selected for the job.	No of B.Pharmacy Students as entrepreneur	No of B.Pharmacy Students went for Higher Studies.
1	2018-19	11	04	35
2	2019-20	12	02	28
3	2020-21	11	04	37

CAMPUS INTERVIEWS (PLACEMENTS) 2019-20

1) CELOGEN GENERICS MUMBAI – 10/07/2019

- Students placed-Radhika Valvi, Jagruti Palse, Praneet Pavra

2) MYLAN PHARMACEUTICALS PVT LTD (SINNAR)– 27/06/2019

As the interview was for Final Year B Pharm students, due to their aspiration of higher studies, they did not attempt the subsequent rounds of the interview.

3) REVE PHARMA PVT LTD SINNAR-2019

- Students placed-Lalit Shewale, Yogesh Mali, Revati Biraree

4) MACLEOD PHARMACEUTICALS LTD Saregam & Vapi-2019

SR.NO.	DISCIPLINE	1ST ROUND	2ND ROUND	3RD ROUND
1)	B.Pharm	36	12	3
2)	M.Pharm	33	13	8

5) HDFC Life: 07-05-2022

- Students placed-Arpita Chaure, Gayatri Mahajan, Akansha Holkar, Prafulla Badhan, Rikesh Schroff, Pradnya Gaikwad.

8.6 Entrepreneurship Cell (5)

(Describe the facility, its management and its effectiveness in encouraging entrepreneurship and incubation)

- College has an entrepreneurship development cell which works in coordination with MGV's Alumni association in arranging workshops, guest lectures and industry interaction. It also creates entrepreneurship awareness in students in order to make them potential entrepreneur.
- The main objective of the entrepreneurship cell is to create awareness, the growing need to be an entrepreneur and to develop a forum for potential entrepreneurs.

Sr. No.	Name of Member	Designation
1	Dr.R.S.Bhambar	Chairperson
2	Dr. T.N.Lokhande	Placement In charge
3	Dr.S.K.Mahajan	Member
4	Mr.Tushar Mahajan	Member (Alumni)
5	Mrs. Pritee Patil	Member(Alumni)
6	Dr.R.R.Karmarkar	Member

- MGV's trust is entirely focused on to exploring job opportunities and training students accordingly. The college has arranged **Skill Development Program Mahindra Pride** classroom employability enhancing skilling project (in association with Nandi Foundation) 45 days

workshop for Final Year B. Pharm and M. Pharm students in grooming their entrepreneurship skills. The highlights of the workshop includes :-

- ✓ Building self esteem
- ✓ Helping students to understand basic grammar.
- ✓ Confidence building during presentation either alone or in group.
- ✓ Interview skills
- ✓ Preparing students for the real world
- a) Basic tips on intellectual skills.
- b) Basic knowledge on money matter.
- MGVS's Alumni members who are potential entrepreneurs of various sectors such as industries, wholesale and medical shops have been invited to discuss various opportunities and challenges as an entrepreneur.
- They have motivated our students in guiding them in planning process, exploring them to identify the risk in business, develop innovative skills and their applications in the changing market scenario.

❖ **List of Guest Lectures from MGVS's Alumni Entrepreneur Cell**

2019-20:-

Sr. No	Date	Topic	Speaker Name and designation	No. of participants
1	12/05/2020	Career Path in clinical research	Mr.SachinTadge (Alumni) CRO, Nasik	80
2	17/12/2020	Channelizing your Pharmacy Degree towards lucrative Professional life	Mr. Pranav R. Gadgil (Alumni) Baeyork Enterprises, Nasik	90
3	19/12/2020	Healthcare Management as career choice	Dhanajay Singh Rajput Healthcare Administrator P.D.Hinduja National Hospital And Medical Research Center, Mumbai	65

2020-21:-

Sr. No	Date	Topic	Speaker Name and designation	No. of participants
1	16/08/2020	Clinical data Management	Miss Chitra Bhagat	55

2021-22:-

Sr. No	Date	Topic	Speaker Name and designation	No. of participants
1	27/7/2021	Importance of Profession Ready Training and Placement programme	Prutha.J. (BOD) Clini INDIA	60
2	01/08/2021	On the occasion of 41 st birthday of hon'ble AapoorvaHiray- "Journey from Pharmacy to world's Peace Ambassador."	Dr Amjadkhan A. Pathan , Chairman Asanaj Healthcare Education &Research Foundation	80
2	24/08/21	Pharma Career Guidance	Mr. Amol Gavande Founder- CEO- Smartchem Plus Director: Chemnext Pharma PVT. Ltd.	101
4	31/8/2021	Study & career opportunities in USA and Abroad in Pharmacy.	Dr.Rahul Nahire Laboratory Director: Lighthouse Lab services ,Holly Springs ,USA & Founder of Rajdeep study Abroad	88
5	21/09/2021	Preparation Strategy for GPAT-2022"	Dr. Dipak Dhanraj Patil, Associate Professor, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur, Dist. Dhule	136
6	09/10/2021	Role of clinical Pharmacology in drug development	Dr.AnirudhdhaAmrite(Alumni)	100
7	30/10/2021	Flipping Scenario in Entrepreneurship Practice by twenty first century	Mr.Rohan Pawar Director, RAP Analytics Ltd.Nashik	95
8	14/12/2021	Current Trends in the Vaccine Development	Mr. Vishal Sonje (Alumni)	85
9	11/03/2022	Drug Regulatory affairs and Intelligence	Mr.Amit Khodke (Alumni)	100

Impact of Entrepreneur Cell Alumni with industrial and wholesaler background till date

Sr.	Alumni Name	Industry/Wholesale shop	Place
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No.	(Entrepreneur)		
01.	Mr Milind Katariya	Reve Pharma Pvt Limited	Sinnar
02.	Mr Tushar Mahajan	Nuevo phama Pvt Limited	Nashik
03.	Dr Parag Saudagar	S K BiobizPVt limited	Nashik
04	Mr DeelipRasal	Scinnova Therapeutics	Nashik
05	Mr Neeraj Agrawal	Vedshree Ayurved	Nashik
06	Dr Rohan Pawar	RAP Analytical Pvt. Limited	Nashik
07	Mr.Dheeraj Yeole	Scinnova Therapeutics	Nashik
08	Mr Prashant Bedse	Triveni Hospicare	Nashik
09	Mr Pravin Jain	Arihant Pharma	Nandurbar
10	Ms Anjali Katariya	Reve Pharma Pvt Limited	Sinnar
11	Mr.Deore Nandlal Sanjay	Apex Pharma (Wholesale) and Lifecare Medical and General Store	Nashik
12	Mr.Deshmukh Rishikesh Ravindra	Reliable Pharma	Sinnar, Nasik
13	Mr.Handore Shubham Sudhakar	Ozar Medical and Wholesale agency	Ozar, Nasik
14	Mr.Khode Shubhangi Purushottam	Sai Seva Medical and General Store	Pimpalgaon, Nasik
15	Bhamare Kuldip Bhaushaeb	All is Well Medical and General Store	Nasik
16	Mokat Kaveri Arun	Gajanan Medical and General Store and Kaveri food	Nasik
17	Batav Gaurav Sanjay	Sansuda Wholesale Medical Business	Thane
18	Sajgure Pratik	Pradnesh Medical and General Store	Nasik
19	Wagh Jeevan Prabhakar	Wagh Medical and General Store	Dindori, Nashik
20	Bande Rohan Vijay	Jain Medical and Wholesale	Jintur, Parbhani

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

(Specify the co-curricular and extra-curricular activities)

Apart from the regular academic activities, the students are also involved in various extra-curricular and co - curricular activities. These activities are integrated and organized at inter-collegiate as well as intra-collegiate level which helps in shaping the overall personality of a student.

Co-Curricular activities:-

Student Centric methods in teaching learning methods help in all round development of student's attitude, knowledge and professional skills. At MGVS, the students are offered opportunity to get exposed to all types of learning. Experiential learning is experienced during industrial training, field trip, educational tour and hands-on training to develop professional skills. Students are motivated to participate in various co-curricular and curricular activities during National Pharmacy Week Celebrations. It includes student's participation in problem solving, poster presentation, scientific oral presentation and scientific advertisement making competition which make them to think innovatively. Also students are encouraged to participate in research competitions like Avishkar or participation in Seminars and conferences indicate Participative learning.

Various innovative competitions are organized in college under start-up and innovation cell. All students are informed to participate in the events as a group or individual entry.

A) Start up and Innovation

1. **Offline competition** was organized in October 2019 competition with theme -

Innovative Packaging design and solution for Patient Compliance, Innovative ideas for disposal of parenteral dosage form. Total 30 students of B. Pharm and M. Pharm have participated in this competition.

2. **Online competition** was organized in December 2020, with theme-

Packaging innovation for promoting marketing of Consumable products, Innovative designing of masks, sanitisers and its effective use, Safe disposal and reuse of PPE kit. Total 78 students from S.Y., T.Y. and Final year B. Pharm students have participated.

3. **Online competition** was organised in November 2021 with theme-

Be vocal for local for- Atmanirbhar Bharat, Sustainable energy resources and its innovative applications, Making online medical consultation happen for the benefit of masses, Contribution of pharmacist in promoting a healthy society post covid-19 pandemics.

Sr. No.	Name of Team	Topic	Position
1	Madhura Gaikwad S.Y.B.Pharm	Making online medical consultation happen for the benefit of masses	1
2	Rutuja Divekar M.Pharm	Sustainable energy resources and its innovative applications	2
3	Tejal Patil, Sakshi Magar, Sakshi Dhumal, Harshadeep Pund, S.Y.B.Pharm	Sustainable energy resources and its innovative applications	3
4	Smital patil, Mariya Babbar, Khushi Deore,, Ritika Tungar S.Y.B.Pharm	Contribution of pharmacist in promoting a healthy society post covid 19 pandemic	Certification
5	Tejaswini Nirgude, Swamini Surve S.Y.B.Pharm	Sustainable energy resources and its innovative applications	Certification
6	Rushabh Wagh S.Y.B.Pharm	Contribution of pharmacist in promoting a healthy society post covid 19 pandemic	Certification
7	Sarthak Jadhav, Harshal Bachhav, Abhijeet Khairnar, Hrishikesh Jagdale, Abhishek Jadhav Final Y.B.Pharm	Be vocal for local Aatmanirbhar Bharat	Certification
8	Pooja Shimpi, Krutika More, Saurav Patil, Subhash Shinde M.Pharm	Contribution of pharmacist in promoting a healthy society post covid 19 pandemic	Certification

B) Competition organized on occasion of '**World Pharmacist Day**'-25th September 2021.

Students participated in a group of not more than eight students. Students select either of the following topics for participation.

1. Poster/ Flyer making competition -Role of Pharmacist in healthcare sector (open for B.Pharm,M.Pharm and Pharm D students)

2. Pharma Model making competition (open for S.Y.B.Pharm students)
3. Poster/ Flyer making competition - Herbal formulations/dietary supplements/ Nutraceuticals available in the market (open for T.Y.B.Pharm and M.Pharm students)
4. Preparing Label as per D and C Act for schedule H/G/X drug(any one) (open for Final year B.Pharm and M.Pharm students) Competition held on by online mode on Friday 01/10/21at 11.00 am. All participants got e-certificate. Winners from each category was awarded with cash prize.

Sr.No.	Name of Event	Name of Student	Rewards
1)	Flyer/Poster- Role of Pharmacist in health care sector	• Gauri Shelar	First
		Pharma Group 5 • Tribhuvan Cynthia • Jigisha Jain • LaskitaSonawane • Prachi Thete • Akshada Kadam	Second
		• Kartik Pawar, • Shivani Paspohe	Third
2)	Label Preparation as per D & C Act	• Gaurav Dhumal • Nandini Chavan	First
		• Sunil Suthar • Akansha Khandwe	Second
		• Mayuresh Sahane • Prafulla Badhan	Third
3)	Poster/Flyer- Herbal Formulations/ Dietary Suppliments/ Nutraceuticals	• Akansha Shinde	First
		Leading Age Group • Mitesh Hire • Aditya Gite • Gaurav Borse • Harshvardhan Patil • Gaurav Jat	Second
		Pharma Infinity Group • Swapnil Shinde • Vishal Sukenkar • Sahil Chandak • Abhijeet Shinde • Gaurav Bhagure	Third
4)	Pharma. Model Making	• Tejal Patil • Swamini Surve	First

	F.Y.B.Pharm	• Mansi Yeole	
		• Sanjyot Shelke	Second
		• Tejaswini Nirgude	Third

Students are motivated to participate at national, international level competitions, conferences; students have participated and won prizes at national levels.

- **Akanksha Shinde** from S.Y.B.Pharm participated in Maharashtra health hackathon was selected for e-medha competition and participated in the same. She was team leader of Team19. (May 2021) and selected the problem statement. She also participated in Catechization 2021 National Level Topical Quiz Competition by the Econ club conducted by K. M. Kundanani College, Mumbai. Date- 28 June to 4 July. She has also participated in Maharashtra health Hackathon competition date 23 - 25th April and received award from- Shri. Deependrasingh Kushwah, IAS.

Competition was sponsored by Government of Maharashtra (GoM), Maharashtra State Innovation Society, BETiC, IIT Bombay, MIT Hacking Medicine, Welingkar Institute of Management and TiE Mumbai.

- **Vaishnavi Sonawane** Final Year B.Pharm student was second runnerup for national level flyer competition organized by D.Y.Patil Institute of Pharmaceutical Sciences and Research Pimpri, Pune during national Pharmacovigilance week 2021
- **Mr. Rohan Pawar-Paper presentation at National conference at Manmad – 13th-14th February 2020**
- **Mr. Rohan Pawar presented in oral scientific presentation on Zebra fish held at GUJCOST conference in 2021**
- **Ms Pooja Malode** secured first position in problem solving competition organized by PRES College of Pharmacy, Moshi, Pune.
- **Ms. Pooja Malode, has participated in Innofest-22 on 24-04-22 organised by LVH college, Panchavati.**

Savitribai Phule Pune University's centre for innovation, incubation & enterprise and Pimpri Chinchwad start-up incubation centre has organized Inno-fest 2021.

MGV's team has won first prize in the final round of **Hackathon competition at InnoFest-2021**

conducted by SPPU, Pune on 06/03/2021.

Team members:

1. Akansha Shinde (S.Y.B.Pharm)
2. Sonali Darekar, (S.Y.M.Pharm) and
3. Dr. Suvarna Katti (Mentor)

Topic:-“Effective use and maintenance of Public Toilet specially for females” Team was felicitated at the hands of Vice Chancellor of Savitribai Phule University,Pune, Prof. (Dr.) Nitin R. Karmalkar, Pro-Vice Chancellor , Dr.N.S.Umarani, Mayor-Pimari-Chinchawad Municipal Corporation-Mrs Mai Dhore.

The team was felicitated with seed money of 3 lacs for project by PCMC.

- **College Magazine:-** Our college annual magazine NECTAR covers articles on various themes such as Safety, Science, Technology , Social and Community welfare, etc. The basic aim behind this is develop the scientific/artistic drafting skills among students. Many students actively participate in sketch drawing, nature photography, poetry and other soft skills. Student Editorial
- Board and faculty members jointly co-ordinate and take efforts in publishing annual magazine NECTAR.
- **Mini Projects:-**Our students eagerly also get involved in mini projects assisted by faculty members.B.Pharm students were assigned projects .

- **Students sponsored projects through MoUs:**

Sr.No.	Name of the Student/ Faculty	Purpose	Year
1	Shivkanya Mhaske/Dr. M. Mohan	Sponsored Res-Ayurveda Sanshodhan Vibhag	2019-20
2	Khushal Chaudhuri/ Dr. M. Mohan	Sponsored collaborative Res- SK Biobiz, Nashik	2019-20
3	Chetan Pawra/Dr. M.Mohan	Sponsored collaborative Res- SK Biobiz, Nashik	2020-21
4	Divya Pekhale, Pooja Malode and Harshal Patodkar/Dr.M. Mohan	AICTE-MODROB project	2020-21, 2021-22
5	Suvarna Gite, Aditi Ugale/ Dr. R. R. Karmarkar	Scitech Pvt ltd, Sinnar	2019-20

6	Shraddha Khairnar, Karishma Ahire, Gayatri Mate, Nilam Mogul/ Dr. P.S. Patil and Dr. Vinod Patil	Collaborative Res work- VSG Life Sciences, Nashik	2020-21
7	Sanket Boraste/ Dr. P. S. Patil	Sponsored Res-Invivo BioSciences, Bangalore	2020-21
8.	Omkesh Gharge, Chaitali Bornare/ Dr.P.S. Patil	Sponsored Res-Nucleus Healthcare, Nashik.	2021-22
9.	Saurav Patil, Krutika More/ Dr. S. Katti	Sponsored collaborative Res- SK Biobiz, Nashik	2021-22
10	Komal Kamble, Rahul Ushir/ Dr. R. R. Karmarkar	Sponsored collaborative Res- Scitech Specialities, Nashik	2021-22

• **Industry Sponsored Projects:**

Sr. No.	Name of the student	Purpose	Duration
1	Ms Suvarna Gite	Industrial Research Project with Scitech Specialities Pvt. Ltd, Musalgaon, Sinner, Nashik	2019-20
2	Ms. Aditi Ogale	Industrial Research Project with Scitech Specialities Pvt. Ltd, Musalgaon, Sinner, Nashik	2019-20
3	Ms.Swapnali Sanjay Abhale	Industrial Research Project with Zenvision Pharma LLP, Fort, Mumbai	2020-21
4	Mr.Chavan Saurabh Balu	Industrial Research Project with BINI Laboratories, Satpur Nashik	2020-21
5	Ms. Madhuri Madhukar Shinde	Industrial Research Project with Immuno Chem Technologies Pvt Ltd. Nashik	2020-21
6	Mr.Kate Sashikant Balasaheb	Industrial Research Project with BINI Laboratories, Satpur Nashik	2020-21
7	Ms. Shivani Solanke	Industrial Research Project with Holden Medical Laboratories Pvt Ltd	2020-21
8	Mr. Halde Sanket Santosh	Industrial Research Project with SciTech Specialities Pvt Ltd. Musalgaon, Sinner, Nashik.	2020-21
9	Mr. Pachorkar Shubham Sanjay	Industrial Research Project with SciTech Specialities Pvt Ltd. Musalgaon, Sinner, Nashik.	2020-21
10	Mr. Deore Rushikesh	Industrial Research Project with SciTech	2020-21

	Vijay	Specialities Pvt Ltd. Musalgaon, Sinnar, Nashik.	
11	Ms. Karishma Deepak Ahire	Industrial Research Project with VSG Life Sciences LLP Nashik	2020-21
12	Mr. Sanket Boraste	Industrial Research Project with Invivo Biosciences	2020-21
13	Ms. Nilam Balasaheb Mogal	Industrial Research Project with VSG Life Sciences LLP Nashik	2020-21
14	Ms. Gayatri Haribhau Mate	Industrial Research Project with VSG Life Sciences LLP Nashik	2020-21
15	Ms. Shraddha Eknath Khairnar	Industrial Research Project with VSG Life Sciences LLP Nashik	2020-21
16	Mr. Pavan Ahire	Industrial Research Project with Zenvision Pharma LLP, Mahape, Navi Mumbai.	2019-20
17	Mr. Khushal Chaudhuri	Industrial Research Project with S.K. BioBiz, Dindori, Nashik	2019-20
18	Mr. Bhushan Surana	Hospital sponsored collaborative research project with Dr. Vasanttrao Pawar Medical College Hospital, Nashik	2019-20
19	Mr. Mayur Badale	Hospital sponsored collaborative research project with Dr. Vasanttrao Pawar Medical College Hospital, Nashik	2019-20
20	Mr. Chetan Pawara	Industrial Research Project with S.K. BioBiz, Dindori, Nashik	2020-21
21	Mr Saurav Patil	Industrial Research Project with S.K. BioBiz, Dindori, Nashik	2021-22
22	Ms Krutika More	Industrial Research Project with S.K. BioBiz, Dindori, Nashik	2021-22
23	Ms Komal Kamble	Industrial Research Project with Scitech specialist Pvt Ltd, Sinnar Nashik	2021-22
24	Mr. Rahul Ushir	Industrial Research Project with Scitech specialist Pvt Ltd, Sinnar Nashik	2021-22
25	Ms Rutuja Diwekar	Hospital sponsored collaborative research project with Navsanjeevani Hospital, Nashik	2021-22
26	Ms Prajakta Bagul	Hospital sponsored collaborative research project with Navsanjeevani Hospital, Nashik	2021-22
27	Mr. Omkesh Gharge	Hospital sponsored collaborative research project with Navsanjeevani Hospital, Nashik	2021-22
28	Ms Chaitali Bornare	Hospital sponsored collaborative research project with Navsanjeevani Hospital, Nashik	2021-22
29	Ms Datir Vaishali Vishnu	Industrial Research Project with Bini Laboratories, Nashik	2021-22
30	Ms Vaishali Purushottam Baviskar	Industrial Research Project with Bini Laboratories, Nashik	2021-22

• **Avishkar Projects:** Students enthusiastically participate in Avishkar projects sponsored by SPPU. **Students from Final year B.pharm are encouraged to participate in ‘Avishkar’ research competition held by Savitribai Phule Pune University.**

LIST of students participated in Avishkar 2020

Sr. No	Name of the student	Subject	Topic	Guide
01.	Kshitij Shirish Verma	Pharma. Chemistry	Design, Synthesis & Evaluation of substituted Thiophene derivatives as a novel anti anxiety agent.	Dr. Tushar Lokhande
02.	Tanuja Mohan Wankhede/ Suvarna Gite	Pharmaceutics	Formulation & Evaluation of curcumin cream by using mango butter as novel absorption base with Nerolidol as permeability enhancer	Dr. Tushar Lokhande Co-guide: - Dr. Ritesh Karmarkar
03.	Dhanashri Satish Wagh	Quality Assurance Technique	Formulation & Evaluation of Clotrimazole Cream by using Mango butter as absorption base & Nerolidol as permeability enhancer.	Dr. Tushar Lokhande Co-guide: - Dr. Ritesh Karmarkar
04.	Kanchan Kishor Desale	Pharmacology	Assesment of Hepatoprotective activity of methanolic extract of Ipomoea obscura In experimental animals	Dr. Pankaj Patil

Extra Curricular activities:-

Sports & Cultural Activities: - Students are encouraged to participate in various sports activities conducted at university level and national level tournaments. Our college allows the students to participate in various sports activities during MGVS Mahotsav and the celebration of National Pharmacy Week held at different places by organizing colleges. Student co-coordinators are appointed to channelize the various sports activities to Sports Faculty in

charges. Following sports events are organized during Sports and cultural fest of our Institution and **NPW celebration**.

National Pharmacy Week (IPA, Nasik)-Intercollege Activity

Name of student	Activity	Awards
Mehra Nisha	Singing Group	Participated
Pawar Ashwini	Singing Group	Participated
Akanksha Kandhwe	Group Dance	First prize
Akanksha Kandhwe	Girls cricket tournament	Participated
Rikesh Shroff	Group Dance	First prize
Akanksha More	Group Dance	Participated
Prasad Borse	Volley ball competition	Participated
Shekhar shinde	Skit competition	Participated
Jadhav abhishek	Oral scientific presentation	Participated
Tushar Tarle	Swimming competition	First prize
B.pharm &M.Pharm students	Group dance	First prize
Pavan Ahire	Problem solving	Runner Up

Sports & Cultural 2019-20- Intercollegiate

Name of Sports Event	Name of Student	Awards/Achievements
Cricket Girls	Sneha Nathe Chetna Gangurde Akansha Khandwe Majiri Gawali Rutuja Pawar Kajal Rathod Shital Khinde Zarmeen Kazi Yeshashree Kulkarni Dhanashree Pagar	Participated
Group Dance	Akansha Khandwe Apeksha More Nandini Chavan Dikshita Majrekar Rikesh Shroff	Participated

Annual cultural event is organized to mark the active participation of all the participants and felicitate the winners of Sports and Cultural events followed by delicious lunch.

Every year Student Council Celebrate **Ganesh Festival** by organizing few events such as Aarti, Rangoli, fun games and many more. During this event, students exhibits excellent team work, good communication skills and human resource management. On the occasion of Ganesh Visarjan, students and faculty members with tearful eyes gives send off to lord Ganesha by donating the idol with a message of prevention of water pollution.

Mahatma Gandhi Vidyamandir and Adivasi Seva Samiti, Cultural Department had organized coloring competition **Advay Rang Mahotsav 2021-22** for exploring creative ideas of students.

Election commission of India, Higher and technical education department Maharashtra and MGVS Pharmacy College Panchavati Nashik jointly organized the competition on occasion of **National Voters Day** to create awareness and importance of voter's registration in democracy (2021).

Sr. No.	Competition	Name of Student	Class
1	Essay Writing	Sayali Mengnar	S.Y.B.Pharm
		Unmesh Patil	F.Y.B.Pharm
		Chinmayee Joshi	S.Y.B.Pharm
		Vedant Sonawane	F.Y.B.Pharm
2.	Slogan	Kalyani Aher	S.Y.B.Pharm
		Tejal Patil	S.Y.B.Pharm
		Kunal Mahajan	F.Y.B.Pharm
		Isha Dali	F.Y.B.Pharm
3	Meme	Omkar Burhade	S.Y.B.Pharm
		Yash Mande	F.Y.B.Pharm
		Manaswi Patil	F.Y.B.Pharm
4	Poem/Songs	Kalyani Aher	S.Y.B.Pharm
		Prerana Aher	S.Y.B.Pharm
5.	Drawing	Harshdeep Pund	S.Y.B.Pharm
		Kalyani Aher	S.Y.B.Pharm
		Sakshi Dhumal	S.Y.B.Pharm
		Aishwarya Khandwe	F.Y.B.Pharm

Along with these several other activities of college collaborates with the **Rotaract Club** of MGVS, Nashik to organize events beneficial to students and society such as

➤ Healthcare campaigns

- Road Safety Awareness Program
- Tree Plantation Program
- NSS Camp
- Students prepared a video project on “Covid vaccine rumors and reality” to create awareness of covid vaccination drive conducted by government.

Board of Students Development/Rotaract activities

Sr. No.	Name of the activity	Numbers of students participated	Number of Staff members participated
1	Blood donation On 09/01/2020	25 NSS students participated in blood donation camp	02 (For support and management)
2	Swachh Bharat Abhiyan on 05/1/2020	Gram Swachata Abhiyan undertaken by 25 NSS students	20
3	Aids Awareness	03 students prepared videos and posters for awareness and circulated online.	02
4	Gender issues	Different programs organized in 3 years	15
5	Tree plantation On 06/01/2020	25 Students participated. In September 2020–21 students also participated.	02
6.	Awareness of Covid 19 pandemic 31/07/2021	Online	187
7	Any Other Social welfare activities	1.Mechanism to control river pollution 2 students.	02
		2. Blood glucose level checking camp :-25 students	02
		3. Rapid antigen testing camp for Covid 19	50
		4.Arsenic Album (Homeopathy medicine) distribution 50 students (110 bottles distributed)	02
		5.Cotten Mask preparation and distribution, 5 students	02
		6. Cyber Security awareness program for girls and ladies staff, 100 girls	20 ladies staff

International Conference

Our College Organized, **International Conference on Challenges and Future Perspectives in Pharmaceutical Sciences** on 24th and 25th January 2020. In this conference college conducted poster presentation competition.

Topics of Poster Presentation

Sr.No.	Topic	Presented By	Remark
1	Nanocrystals for Drug Delivery Applications	Minal Narkhaede	1 st Winner
2	Effects of some phenolic acids on nerve conduction velocity in diabetic neuropathy	S.H.Pawar	2 nd Winner
3	Comparative Synthesis & Biological Study of Substituted Tetrahydropyrimidine-2-One and Tetrahydropyrimidine-2-Thione Derivatives.	M.S.Bhosale	Presented
2	Abiotically Elicited Resveratrol in <i>V.vinefera</i> (Grapevine) callus: A novel source of herbal nutraceuticals	Anita V.Handore	Presented
3	Formulation and Evaluation of Modified Release Effervescent Floating Tablets of Amlodipine Besylate	Mahesh Kolhe	Presented
4	Optimizations of spray drying process parameters for <i>Anthocephalus Cadamba</i> (Roxb.) leaves extract by using maltodextrin as spray drying agent	Sachin kumar Gunjal	Presented
5	Evaluation of Simple Go-Ghrita for its potential in Combating Neuropathic pain	Amarsinh Lomte	Presented
6	Isolation and characterization Carpine from tree Corica Papaya.	Sufyan raja Sheikh	Presented
7	Bridging the Pharmaceutical Analysis with Computational Chemistry to Ascertain the Pharmacokinetic and	Gayatri Pingle	Presented

	Therapeutic Profiling of Mebeverine HCl and its Degradation Product		
8	Protective effect of various Probiotic strains on castor oil induced diarrhea in mice.	Khushal Chaudhari	Presented
9	Exploring the dual role of excipients as P-gp inhibitor and stabilizer in Nanocrystal formulation of poorly water soluble drug candidate	Mr. Rushikesh Hyalij	Presented
10	Formulation, Development And Comparative Study Of Facial Scrub Using Coffee Beans And Walnut Shell Exfoliant	Dr. Kiran Kotade	Presented
11	Comparative Assay study of Allopurinol and Hydrochlorothiazide in its generic and brand name drug formulation.	Kirti Mahale	Presented
12	Formulation and evaluation of activated charcoal mukha lepa	Ashwini S. Nagare	Presented
13	Formulation development of fluconazole loaded nanostructured lipid carrier for effectual topical drug delivery system	Supriya Rajendra More	Presented
14	In Vitro Drug-Drug Interaction Studies of Gliclazide With Levofloxacin By Using HPLC	Pranjali K More	Presented
15	Nanosponges loaded hydrogel of etoricoxib for improved topical delivery	Ashish Y. Pawar	Presented

Various activities like guest lectures, Essay Competition, Elocution competition are conducted through **Internal Complaint's Committee (ICC) and Women Welfare committee** to create awareness about gender issues, gender sensitization and human values.

Detail activities under ICC conducted in last three years along with its outcome are listed below. Annual Report about the workshops and activities conducted to create awareness by committee formed to address cases of sexual harassment of women at work places (Internal Complaints Committee)

CAY m2(2019-2020)

Sr. No	Date	Activity	Outcome
1	16/12/2019	Participation of girls in Seminar arranged by Nashik Police on Topic "Say No to Violence Against Women" in presence of Police Commissioner Vishwas Nagre Patil, Rani Mukharjee (Actress) Mukta Barve (Actress)	Participation in Awareness Campaign (Nirbhaya) by Nashik Police)
2	09/03/2020	Celebration of International Women's Day Chief Guest-PSI Gayatri Jadhav (Nirbhaya Unit1) Topic-Women Safety	Awareness about safety precautions to be taken on Social Media.

CAY m1(2020-2021)

Sr. No	Date	Activity	Outcome
1	25/01/21	Elocution Competition-"Respect Women" on occasion of National Girl Child Day	Created awareness about role and importance of women in Society and her Respect.
2	06/02/21	Guest lecture by Mrs Swati Pachpande. Topic-Gender Equality	Thought provoking lecture for gender sensitization.
3	08/03/21	Guest Lecture on occasion of Women's Day By Ashwini Deshmukh Nutritionist Green Leaf Pune. Topic-Food as Medicine	Importance of healthy lifestyle and Balanced Diet.
3	08/03/21	Guest Lecture on occasion of Women's Day By Dr. Makarand Rane Ayansh Clinic Nasik MBBS MD Internal Medicine. Topic- Pharmacology and Pregnancy Therapeutics	Created Awareness about health issues and medicines consumed during pregnancy.
4	07/04/21	Guest Lecture on occasion of International Health Day By Dr. Sapna Tandale Sanjivani Clinic Nasik. Topic- Women's Health	Healthy lifestyle by blend of Yoga, Meditation and Diet.

5	09/05/21	International Mother's Day Essay Competition. Topic- Mother my role model.	Respect and Honour Mother
6	12/06/21	World day against Child labor, Essay competition	Human Values and Ethics

CAY(2021-22)

Sr.No	Date	Activity	Remark
1	01/07/21	Guest lecture-Dr.Majusha More MD Ayurveda- आधुनिक जीवनशैली आणि आयुर्वेद	Doctor's Day
2	12/08/21	Guest lecture-Pallavi Dhatri-District Sports Officer-Fitness for healthy well being	International youth Day
3	11/10/21	Topic-Gender Equality Aditi Joshi,Tejaswini Nirgude,Madhura Gaikwad S.Y.B.Pharm	International Girl Child Day
4	12/10/21	Ad.Indrayani Patani,Akansha Katkade- International Rugbi Player	नवदुर्गा शारदीय नवरात्रोत्सव
5	26/11/21	Guest Lecture-Ad.Avinash Bhide Topic-Social Responsibility and constitutional rights	Samvidhan din
6	10/12/21	Slogan Competition	Human right's Day
7	03/01/22	Guest Lecture- Prof.Rahul Desale M.S.G. College, Malegaon Topic-Krantijyoti Savitribai Phule	Krantijyoti Savitribai Phule Jayanti
8	28/01/22	Guest lecture-Advt.Indrayani Patani, Advt.Anjali Patil Topic- Sexual harrasement of women at workplace(Prevention,Prohibition and Redressal) Act 2013	Guest lecture for women
9	20/02/22	Guest lecture by Advt.Kavita Jadhav Importance and need of world day for social justice.	World day for social Justice
10	08/03/22	Guest Lecture on occasion of Women's Day By Advocate Milan Khohor Topic-Constitutional	International women's Day

		laws for women	
11	07/04/2022	Health Check-up Camp by Dr.Dnyaneshwar Rakibe and Manisha Shinde Sparsh clinic Nashik.	International Health Day
12.	09/05/2022	Webinar by Dr.S.A.Suryawanshi Topic- Benefits of Ayurveda	International Mothers day

Our institute have conducted green audit by external agency for the year 2020-2021. Solar system (Grid Tided) of 15KWP was installed in our college under QIP of SPPU, Pune. Program by NSS like tree plantation and Rotary club were conducted based on environment and professional ethics.

Extra Curricular Seminars/Activities:- 2019-20

Sr. No	Date	Topic and subject	Resource Person & affiliation
1	04/01/2020 to 10/01/2020	NSS Camp	Sponsored by SPPU & Organized by MGVS pharmacy College, Nashik
2	01/07/2019 to 15/08/2019	1) Tree plantation 2) Letters to soldiers	Rotract club of MGVS pharmacy college
3	03/02/2020	Visit to Kohum museum	MGVS Pharmacy college

Extra Curricular Seminars/Activities:- 2020-21

Sr. No.	Date	Topic and subject	Resource Person & affiliation
1	06/01/2021	Field visit (pharmacognosy dept.)	Field visit (pharmacognosy dept.)
2	21/06/2020	Yoga day	Sponsored by SPPU & Organized by MGVS pharmacy College, Nashik
3	19/08/2021	Arsenic album distribution	Organized by MGVS pharmacy College, Nashik
4	19/08/2020	Webinar on organ donation	Dr.Dilip Bhavsar
5	04/09/2020	Tree plantation	Organized by MGVS pharmacy College, Nashik
6	05/09/2020	Teachers day Celebration	Organized by MGVS pharmacy

			College, Nashik
7	03/09/2020	RTPCR Test(COVID-19)	Organized by MGV 's pharmacy College, Nashik
8	24/09/2020	NSS Day	Organized by MGV 's pharmacy College, Nashik
9	11/11/2020	Educational day	Organized by MGV 's pharmacy College, Nashik
10	01/12/2020	AID's Day	Organized by MGV 's pharmacy College, Nashik
11	02/10/2020	Gandhi Jayanti	Organized by MGV 's pharmacy College, Nashik
12	24/01/2021	Balika Din	Organized by MGV 's pharmacy College, Nashik
13	08/03/2021	International Women's Day Entrepreneurship Development of India.	Organized by MGV 's pharmacy College, Nashik
14	25/09/2020	World Pharmacist day	Organized by MGV 's pharmacy College, Nashik

Extra Curricular Seminars/Activities:-2021-22

Sr. No.	Date	Topic of Seminar/ Discussion/Activity
1	15/12/2021	One day Industrial Visit by Staff (Reve Pharma,Nsk)
2	25/01/2022	One day Industrial Visit by Staff (S.K.Biobiz, Nasik)
3	24/02/2022 to 02/03/2022	NSS Camp
4	17/03/2022	One Day workshop on Personality development
5	25/09/2021	Flyer making competition
6	07/04/2022	Health checkup Camp for students
7	08/03/2022	Guest Lecture on occasion of Women's Day by Adv. Milan Khohor on Constitutional laws for Women
8	21/07/2021 to 23/07/2021	Immunity Boosting Workshop
9	12/08/2021	Webinar on fitness for healthy well being

Extra-curricular activities

Sr.No	Date	Topic	Speaker Name and designation	No. of participants
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1	1/7/2021	Modern lifestyle and Ayurveda International Doctor's Day: lecture on Modern lifestyle and Ayurveda	Dr.Manjusha More (M.D.Ayurved)	75
2	21st July to 23rd July (3-Days)	'Immunity Boosting Workshop'- In association with 'Art Of living' & MGVS Pharmacy College-	Dr. Kavita Sonawane & Mr. Atharva Sonawane	Teaching & Non teaching Staff= 37
3	12/08/21	'International Youth Day'- 'Fitness for healthy well being'	Mrs Pallavi Dhatrak, Taluka Sports Officer, Nashik	25 staff + 75 student
4	07/09/2021	Hockey and Major DhyanChand' on the occasion of 'National sports day'.	Dr. Dinesh P. Karad , BOS Member, SPPU. and Director of Physical Education, MGVS ASC college, Manmad	90
5	24/9/2021	NSS day celebration	Mr.Samadhan Shimpi	95
6	02/10/2021	Gandhi Jayanti celebration	Dr. Avinash Dhake	103
7	15/10/2021	Vachak Prena Din	Quiz competition	400 students
8	22/12/2021	Importance of Pranayam, Yoga, Suryanamaskar, Exercise and balanced diet for healthy wellbeing	Mrs. Sonali Amol Joshi	100 participants
9	03/01/2022	Savitribai Phule Jayanti	Mr.Rahul Desale	100
10	17/01/2022	Kavyavachan	Students	98
11	24/01/2022	Rashtriya Balika Din	Dr.Surekha Borhade	120
12	25/01/2022	Bombay Stock Exchange	Mr.Pankaj Mathkar	80
13	27/02/2022	Me Marathi cha.	Mrs. Jyoti Ratnaparakhi	62
14	21/2/2022	Samajik nyay divas - its importance and need	Adv. Kavita Jadhav	80
15	8/3/2022	Constitutional rights for women	Adv.Minal Khohar Lawyer	120

Inter College:- National Pharmacy Week Events

- **National Pharmacy Week:-** Faculty and students actively participate in celebration of National Pharmacy Week jointly organized by Indian Pharmaceutical Association (IPA), Nashik Branch and all the diploma, degree and post graduate colleges in Nashik district.

Various activities are conducted during this celebration such as:-

- Organizing and participation of rally to generate widespread awareness and educate the public on various issues such as safe and effective use of medicines, role of pharmacist as a healthcare provider, good hygiene practices in developing community health, AIDS awareness, importance of tree plantation, etc.
- Health care professionals and experts from Industry deliver lectures to students motivate and encourage ethical practicing of Pharmacy profession.
- Free dental check-up camp is arranged every year for all to mark the celebration of National Pharmacy Week.
- Students give a positive message to society by actively contributing in blood donation arranged by college during Blood Donation Camp.

Different sports events and cultural fests are organized and co-ordinated by IPA, Nashik Branch among participating Diploma, Degree and PG Colleges in Nashik district region. Participation of students in sports and cultural events provides a good platform to proliferate their leadership, communication skills and helps them to develop excellent team work at inter collegiate and intra collegiate level.

Under the guidance of our sports teacher- Ms. Roshani Gujrathi various Sports events like Carrom, Chess, Badminton, Cricket, Kho-Kho, Throw-Ball, Volley-Ball, Badminton, Table Tennis and Swimming were conducted in 2021-22. Apart from sports activities other extra-curricular events are also organized such as Debate, Drawing, Quiz, Problem Solving, Elocution, Singing (Solo and Group), Poster and Scientific oral presentations, Fancy Dress Competition, Model Making, Scientific Rangoli and Scientific Advertisements.

T.Y.B.Pharm student Dhanashree Pagar won Inter-collegiate Long Jump event to represent Nashik Zone at Inter-Zone Athletics competition to be held at Pune during 13th Dec to 15th Dec 2021.

T.Y.B.Pharm student Dhanashree Pagar, that she won Bronze medal in Triple Jump event at Inter-zone Athletics tournament 2021* held at Pune during 14th and 15th Dec 2021 under SPPU.

MGV's Pharmacy college Swimming (Men) team won Inter-collegiate 4×100 free style relay event

Participation in Sports activities- 2021-22

Sr.No	Name of Sports Event	Name of Student	Organized By	Awards/ Achievements
1)	Cricket Men	Achane Ashok	MGV ACS College Peth	Participated
		Pathan Akibkhan M		Participated
2)	Cycling Road Race (Men)	Gaurav Jat	MVP ACS College Lasalgaon	Participated
3)	Swimming (Men)	Dawange Suyog		Participated
		Kadam Atish		Participated
		Tarle Tushar		Participated
		Patil Pushkaraj		Participated
4)	Athletics Men/Women	Nathe Sneha	SKSW, Cidco, Nashik	Participated
		Shirole Sahil		Participated
		Pagar Dhanashree		Winner
5)	Football Men	Jat Gaurav	SKSW, Cidco, Nashik	Participated
		Bacchav Harshal		Participated
		Hire Rohit		Participated
		Suthar Sunil		Participated
		Vetal Umesh		Participated
		Achane Ashok		Participated
		Gharte Sachin		Participated
		Patil Pushkaraj		Participated
		Tarle Tushar		Participated
		Bhadane Rushikesh		Participated

Board of Student Development Activities (2019-20):-

Sr. No.	Name of the Activity	Nature of Activity	Students Participation
1	Health Check up Camp	General Health Check-up conducted	FYBPharm, Directly admitted F.Y.M.Pharm
2	Voters Registration	New voters registration drive conducted	All Students above 18 years age
3	Personality Development	Conducted expert talk	All
4	Fearless Girl Campaign	Girls are allowed to attend guest lecturers to develop self defence, to built self confidence and personal	All girl students of B.Pharm and M.Pharm

		hygiene,.	
5	Tree Plantation Drive	Tree plantation drive conducted by our College.	All
6	Cyber Security by	To create awareness among students about internet banking and security on various social sites.	All girl students of B.Pharm and M.Pharm
7	National Integrity	Pledge taken on the National Integrity Day	All
8	Swaccha Bharat Abhiyaan	Campus as well as nearby premises are cleaned by conducting cleanliness drive and rally arranged to create importance of cleanliness in community healthcare.	All
9	Marathi Bhasa Gaurav Din	To create the importance of Marathi as RajyaBhasa.	All
10	N.S.S. Camp	Residential Camp of N.S.S at Jategaon,Nashik	25 (T.Y.B.Pharm, Final Yr)
11	Earn and Learn scheme	To provide financial assistance funded by SPPU under BSD	T.Y.B.Pharm

Sr.No	Assessment Parameters	Marks	
		Prescribed	Institute
8	Student Support Systems (50)		
8.1	Mentoring system to help at individual levels	05	04
8.2	Feedback analysis and reward /corrective measures taken, if any	10	08
8.3	Feedback on facilities	05	04
8.4	Self Learning	05	05
8.5	Career Guidance, Training, Placement	10	07
8.6	Entrepreneurship Cell	05	04
8.7	Co-curricular and Extra-curricular Activities	10	08
	Total	50	40

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

9.1 Organization, Governance, and Transparency (50)

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

List the governing, senate and all other academic and administrative bodies; their memberships, functions, and responsibilities; frequency of meetings; and attendance therein, participation of external members in a tabular form. A few sample minutes of the meetings and action- taken reports should be annexed.

The published rules, policies and procedures; year of publication and its implementation shall be listed. Also state the extent of awareness among the employees/students.

The following aspects are dealt and recorded below under different headings, for governance and transparency.

- A) Governing Body
- B) College development committee (CDC)
- C) Organizational chart
- D) Rules, procedures, recruitment and promotional policies

The details are as follows

A. Governing Body

The following is the composition of the Governing Body of MGVPC:

Sr no	Name of the member	Designation
1	Hon. Dr Prashant V Hiray	Chairman (Member Trust)
2	Hon.Dr Apoorva P. Hiray	Member(Trust)
3	Shri B. K. Deore	Member(Trust)
4	Shri Pramod Bhargave	Member(Trust)
5	Shri Pradeep N Saraf	Member(Trust)
6	Nominee of AICTE	Member(AICTE)
7	Nominee of AICTE Regional office	Member Ex Regional
8	Shri Kiran Kashiram Patil	Industry Tech Person
9	Dr P D Chaudhari	Univ. Representative
10	Dr S K Mahajan (Director DTE)	Govt. Nominee
11	Dr R.S Bhambar	Member Secretary
12	Dr S K Mahajan	Member
13	Dr A R Rote	Member

Powers and Functions of the Governing Body:

The Governing Body, besides being the supreme administrative authority of the college, shall have the following additional functions:

- i. To monitor the academic and other- related activities of the college.
- ii. To consider the recommendations of the staff selection committee.
- iii. To consider the important communications, policy decisions received from the University, Government, AICTE etc.
- iv. To monitor the development programs of students and faculty.
- v. To make recommendations on the planning and monitoring the college.
- vi. Fixation of the fee and other charges that are payable by the students to the college based on the recommendations of the Fees Regulating Authority, Govt. of Maharashtra.
- vii. Institute scholarships, fellowships, studentships, medals, prizes and Certificates based on the recommendations of the College Development Committee (CDC).
- viii. Approve the institution's new programs of study leading to the award of degrees based on the recommendations of the CDC.
- ix. Perform such other as may be necessary and deemed fit for the proper development and fulfill the objectives of the college.
- x. To pass the annual budget of the college.
- xi. To check the audited income and expenditure accounts and approve the same for the college annually.

Scheduled Meetings of the Governing Body

Dates of Meeting		
2019-20	2020-21	2021-22
11/02/2020	28/01/2021	01/02/2022

B. The College Development Committee (CDC)

The following is the Composition of the CDC of MGVPC:

Sr no	Name of the Member	Designation
1	Shri Rajesh S. Shinde.	Chairman (Nominated by the Chairperson)
2	Dr. Bapu S. Jagdale	Vice Chairman (Nominated by the Chairperson)
3	Dr. Deepak D. Sonawane	Member (Nominated by the Alumnus)
4	Shri S. K. Mauli	Member (Nominated by the Management)
5	Shri Pratik N. Kale	Member (Nominated by the Secretary)

6	Shri Milind Katariya	Member (Nominated by the Management)
7	Dr. Kiran K. Patil	Member (Nominated by the Management)
8	Dr Ambadas R. Rote	Teacher Representative
9	Dr Jitendra Y. Nehete	H O D (Nominated by the Principal)
10	Shri Ashok P. Ghumare	Non-Teaching Representative
11	Dr Mahalaxmi Mohan	Co ordinator of IQAC
12	Dr Tushar N. Lokhande	Teaching Representative-Male
13	Dr Suvarna A. Katti	Teaching Representative-Female
14	Dr Ashish Y. Pawar	Supervisor Academic, Examination
15	Ms Akanksha Khandve	Student Representative(President of College Student Council)
16	Mr. Swapnil Shinde	Student Representative(secretary of College Student Council)
17	Dr Rajendar S. Bhambar	Secretary (Principal)

Powers and Functions of the College Development Committee (CDC):

The CDC is the principal academic body of the institute and shall, in addition to all other powers and duties vested in it, have the following powers and duties.

- i. Prepare an overall comprehensive development plan of the college regarding academic, administrative and infrastructural growth, and enable college to foster excellence in curricular, co-curricular and extra-curricular activities
- ii. Decide about the overall teaching programmes or annual calendar of the college
- iii. Recommend to the management about introducing new academic courses and the creation of additional teaching and administrative posts
- iv. Take review of the self-financing courses in the college, if any, and make recommendations for their improvement
- v. Make specific recommendations to the management to encourage and strengthen research culture, consultancy and extension activities in the college
- vi. Make specific recommendations to the management to foster academic collaborations to strengthen teaching and research
- vi. Make specific recommendations to the management to encourage the use of information and communication technology in teaching and learning process
- vii. Make specific recommendations regarding the improvement in teaching and suitable training programmes for the employees of the college
- ix. Prepare the annual financial estimates (budget) and financial statements of the college or institution and recommend the same to the management for

- x. Formulate proposals of new expenditure not provided for in the annual financial estimates (budget)
- xi. Make recommendations regarding the students' and employees' welfare activities in the college or institution
- xii. Discuss the reports of the Internal Quality Assurance Committee and make Suitable recommendations
- xiii. Frame suitable admissions procedure for different programmes by following the statutory norms
- xiv. Plan major annual events in the college, such as annual day, sports events, Cultural events, etc.
- xv. Recommend the administration about appropriate steps to be taken regarding the discipline, safety and security issues of the college or institution ;
- xvi. Consider and make appropriate recommendations on inspection reports, local inquiry reports, audit report, report of National Assessment and Accreditation Council, etc.
- xvii. Recommend the distribution of different prizes, medals and awards to the students.
- xviii. Prepare the annual report on the work done by committee for the year ending on the 30th June and submit the same to the management of such college and the university ;
- xix. Perform such other duties and exercise such other powers as may be entrusted by the management and the university

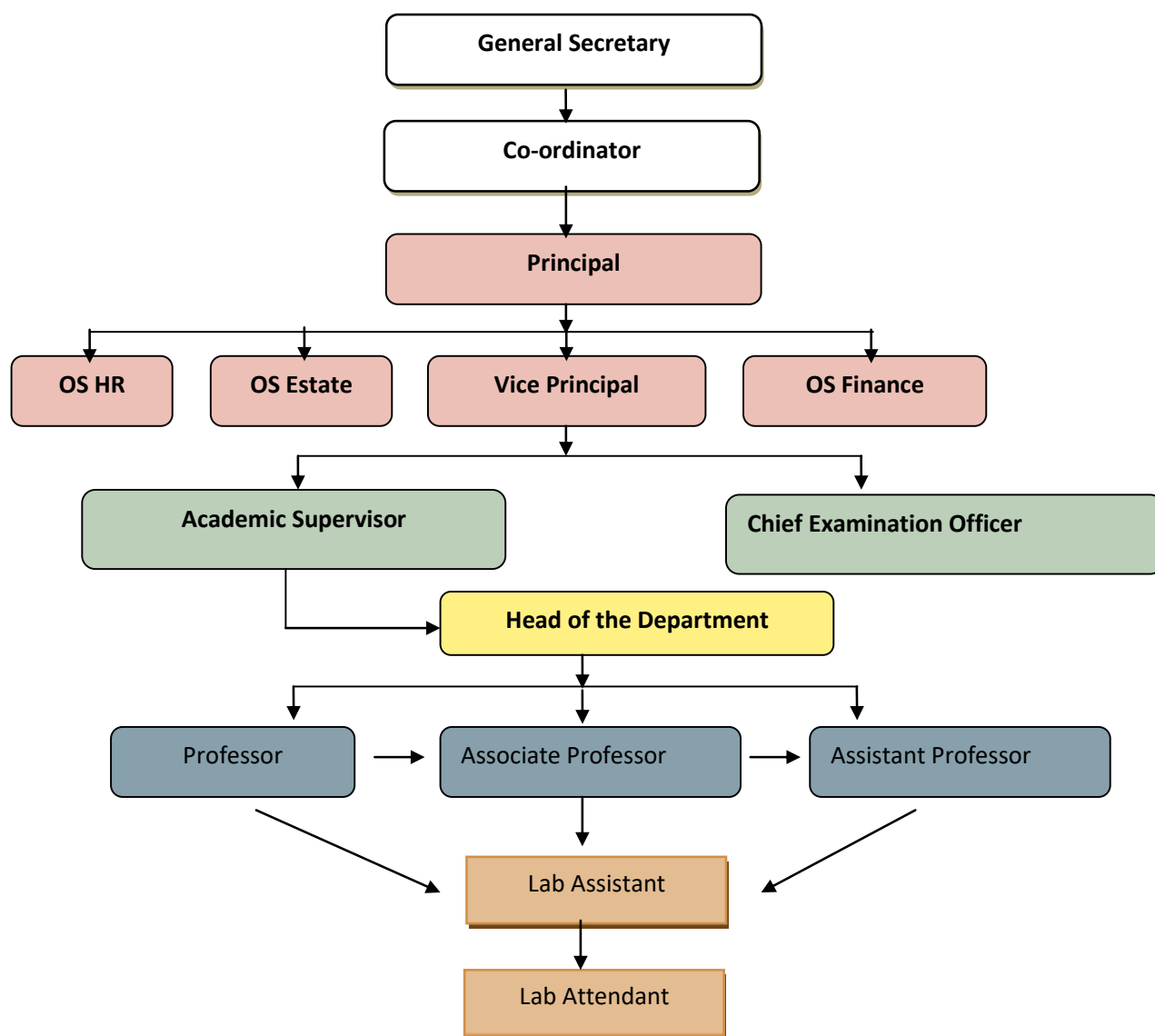
Scheduled Meetings of the committee

Scheduled Meetings of the College Development Committee (CDC)

Note: College Development Committee was newly framed as per the Maharashtra university act 2016. Earlier this committee was recognized as Local Managing Committee.

Dates of Meeting		
2019-20	2020-21	2021-22
24/09/2019	29/08/2020	19/07/2021
22/02/2020	16/03/2021	07/12/2021
-	-	01/06/2022

C. The organization chart of the Institution



D. Defined rules, procedures, recruitment, and promotional policies, etc.

Following acts and rules are adopted as guidelines for procedures, recruitment, promotional policies, code of conduct issued from time to time by the regulatory bodies:

- AICTE Norms
- Rules for Affiliation by Savitribai Phule Pune University, Pune
- All other applicable state/central government rules/regulations (UGC)
- Rules and By-laws of Society
- Norms of Pharmacy Council of India (PCI)

Recruitment for Teaching Staff***Cadre Structure***

- (a) Principal
- (b) Professor
- (c) Associate Professor
- (d) Assistant Professor

Qualifications

Faculty is recruited based on the qualifications prescribed by the AICTE, PCI and Savitribai Phule Pune University, Pune from time to time.

I. Mode of Selection for Teaching Staff

Direct recruitment to all cadres is based strictly on merit. Invariably in almost all cases, the following procedure is followed:

- a) Roster is approved from Savitribai Phule Pune University as per workload
- b) Advertisements including reserved candidates are issued in leading newspapers, the college website
- c) Advertisement details are uploaded on employment exchange website.
- d) Applications are scrutinized after the last day for receipt of application.
- d). The Registrar, Savitribai Phule Pune University, Pune appoints the subject experts for the posts of assistant professors, associate professors.
For the appointment of professors, the Vice Chancellor/nominee, Savitribai Phule Pune University, Pune, is the chairman of the Selection Board and three subject experts are appointed.
For the selection of Associate Professor, Dean, Faculty of Pharmacy, Savitribai Phule Pune University is the chairman and two subject experts are appointed.
Selection committee is constituted as per Savitribai Phule Pune University, Pune norms.
- e). Call letters are sent to eligible candidates, for attending interviews specifying place, date and time of interview.
- f). Selection committee interviews and recommends candidates.
- g). Letters of appointment are issued to selected candidates.
- h). The selection list along with appointment orders, joining reports and all supporting documents are sent to the Registrar, Savitribai Phule Pune University, Pune for approval.

Sometimes, depending on emergency of the situation, adhoc appointments are made on temporary basis for specified periods, subject to approval of pending staff.

Local Selection Committee comprises of:

- i. Chairperson /Nominee of the Mahatma Gandhi Vidyamandir,
- ii. Subject expert
- iii. H.O.D of concerned department
- iv. Principal

II. Mode of Selection of Non- Teaching Staff

Cadre Structure

a) Office

- (i) Administrative Officer (Graduate with experience)
- (ii) Senior Assistant (Graduate with experience)
- (iii) Junior Assistant (Graduate)
- (iv) Attender (below or equal to SSC)

b) Laboratories (other than computer Labs)

- i) Lab Technician (Diploma in Pharmacy)
- ii) Lab Attender (below or equal to SSC)

Qualifications

Non-teaching staff are recruited based on the qualifications prescribed by the State Government. All positions are advertised in the newspapers or notified in the local notice boards. After scrutiny of received applications, a short list is made by taking written test of candidates by the Mahatma Gandhi Vidyamandir's, Secretary/Principal; Interview call letters are sent to eligible candidates to appear for a test and subsequent personal interview. The selection committee consists of some or all of the following:

- (a) President/nominee of Chairperson of the Educational Society
- (b) Principal
- (c) Administrative Head

- ☐ All appointments (Teaching and Non-teaching staff) made after selection, are forwarded to the Chairman for approval and to the Governing Body.
- ☐ Management is a single term used to collectively represent the society through Chairperson of Mahatma Gandhi Vidyamandir.

III) Promotion Policy for Teaching Staff

- ☐ Career Advancement Scheme is implemented strictly in accordance with Savitribai Phule Pune University.
- ☐ Higher posts such as Professor and Associate Professor are offered through selection committee constituted by the Registrar, Savitribai Phule Pune University.

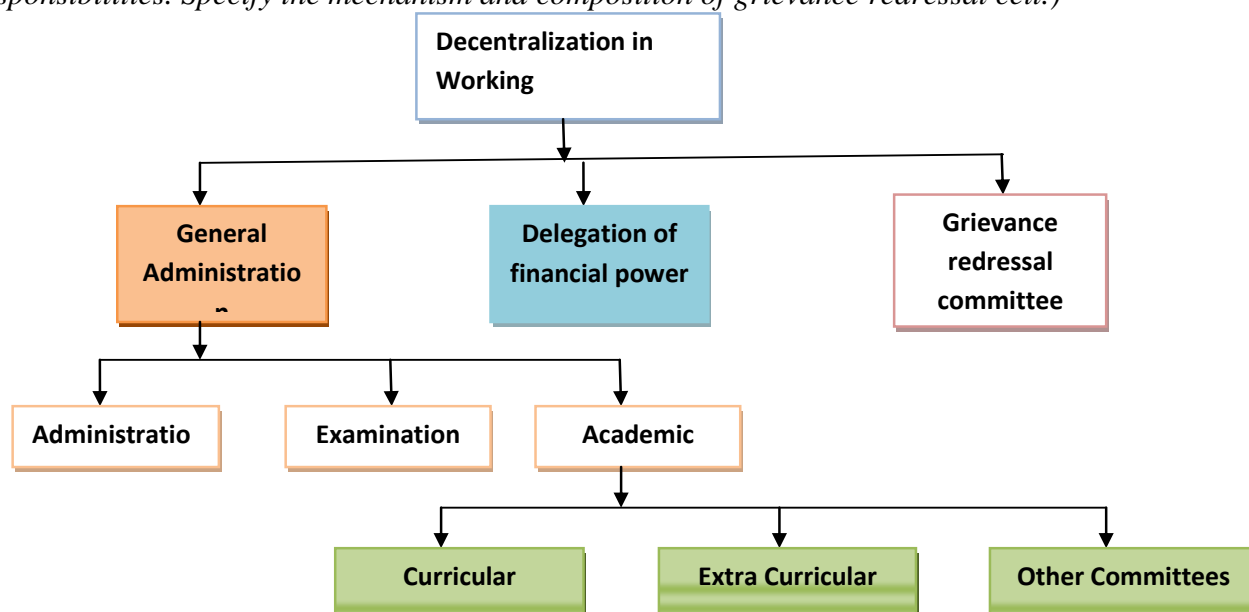
Sr no	Name of Teaching staff	Promotion regular to Adhoc (From July 2019)
1	Dr. Ambadas R. Rote	Professor (Associate Professor permanent to Professor Adhoc)
2	Dr, Ashish Y. Pawar	Associate Professor (Assistant Professor permanent to Associate Professor Adhoc)

All the procedure is followed by the MGVPC. The availability is notified on the institute website www.mgv.org.in. At the time of joining, through departmental meetings and periodic notices, awareness of rules and procedures is maintained.

III. Promotion Policy for Non-Teaching Staff: Promotions are on basis of seniority

9.1.2. Decentralization in working and grievance redressal mechanism (15)

(List the names of the faculty members who are administrators/decision makers for various responsibilities. Specify the mechanism and composition of grievance redressal cell.)



A) Administration

- ☐ Principal is assisted by an office superintendent, looking after correspondence, admissions, HR, scholarships etc.
- ☐ Finance is looked after by accountant.
- ☐ Administrative officer (management) looks after all the support services and maintenance.

GENERAL COMMITTEES

CAY (2021-22)

In order to facilitate the administration and smooth functioning of the college, the following staff members are appointed as In Charges / members for the various committees for the academic year **2021-22** with immediate effect from **23/07/2021**

The In charges shall:

- A. Formulate the rules and regulations regarding the function of the committee, set goal, define duties and responsibilities for the respective committee.
- B. Submit their report of functioning about the same of the office time to time.
- C. The In charges will continue to function for the 2021-22 and till new committees has been formulate for the next academic year.

INCHARGE OF THE FOLLOWING COMMITTEES:

Vice Principal (B. Pharm and M.Pharm) : Dr. S.K. Mahajan/ Dr. J. Y. Nehete
Vice Principal (Pharm.D.) : Dr A. R. Rote
Supervisor (Academic & Exam) : Dr. A.Y. Pawar

Sr. No	Name of the Committee	Name of the In Charge Staff Members
1	Supervisor (Academic)	Dr.A.Y. Pawar
	Internal Academic Incharge, Student Programme committee.	Dr. D.L. Attarde (UG & PG) Mrs Y. B. Thombare (Pharm.D)
	Time table	UG/PG- Mrs A.P.Bhosale Pharm.D.: Dr. Ram Pund
2	Examination Committee:- Supervisor (Examination) CEO Exam Incharge (Int. & Ext.)	Dr.A.Y. Pawar Dr.J.Y.Nehete/Mr. B. P. Wagh Mrs.S.H.Pawar (UG) Dr.R.R.Karmarkar (PG) Dr.Pranati Chavan(Pharm.D)
3	Store, Purchase	Mrs. V.D. Rakibe, Dr.Pranati Chavan Dr.S.K.Mahajan
4	Admission Coordinator , DTE Admission, Merit List, ARA ,etc. ➤ B.Pharm ➤ M.Pharm, ➤ Pharm.D	Dr. A.Y.Pawar, Office Superintendent Dr P.S.Patil, Mr.Pravin Gadakh Dr.K.V.Bhambar, Dr T.N.Lokhande Dr A. R. Rote, Mrs Y. B. Thombare
5	Ph.D Committee	Dr T.N.Lokhande Ms.S.J.Patil ,All HOD.
6	FC Incharge	UG: Prof.B.P.Wagh/ Mr.R.D.Pathak PG: Dr.R.R.Karmarkar/ Mr.K.B.Chaudhary
7	University related:- Affiliation, SAR Report & Annual Report ,Eligibility,etc	Office Superintendent Dr. K.V.Bhambar, Dr T.N.Lokhande.
8	NBA NAAC	Dr.M.Mohan Dr.Mrs.S.A.Katti
9	Academic & Research Coordinator (BCUD,UGC and AICTE) MOU, Consultancy, Sponsored Projects	Dr.M.Mohan, All HOD
10	HR	Office Superintendent, Dr.A.Y.Pawar, Dr.S.K.Mahajan
11	Governing Body and CDC	Dr. S.K. Mahajan, Dr.A.R.Rote ,Dr.S.A.Katti
12	PCI	Dr P.S. Patil, Mr.K.B. Chaudhari, Dr. P.R. Chavan
13	AICTE	Dr.A.R.Rote, Dr.S.K.Mahajan
14	Placement	Dr.T.N.Lokhande, Dr.R.R.Karmarkar, Mr.S.E.Akade,Mr.Khushal B.Chaudhary.
15	Guest Lecture, Seminar, Conference	Mrs.Rakibe V.D, Ms.B.R.Gupta
16	Women Grievances (ICC) Women welfare	-Dr.S.A.Katti, Mrs.Rakibe V.D Dr.M.Mohan, Dr.U.S.Ulhe
17	Magazine, EHS	Mr.P.P.Gadakh, Ms.S.J.Patil
18	Library	Dr.U.Ulhe.
19	Hostel I/C (Boys) (Girls)	Mr.K.B.Chaudhari Mrs. S.H.Pawar
20	Industrial Training	Dr D. L.Attarde, Dr. S.K. Mahajan
21	Website/IT/Campus 360	Mr. R.D. Pathak, Mr.Ravi Bachhav.
22	Alumni UG PG	Mrs.A.P.Bhosale, Dr.S.K. Mahajan Mr.K.B.Chaudhari
23	AISHE, NIRF	Dr.S.K. Mahajan Dr.M.Mohan, Mr.S.E.Akade
24	RTI, Ant ragging Committee.	Dr. S.K. Mahajan, Office Superintendent Mr.K.B.Chaudhari, Mr.B.P.Wagh.

25	LIC work related to:- B.Pharm, Pharm.D.	Office Superintendent Mr.B.P.Wagh , Mrs.V.D.Rakibe Dr.Pranati Chavan , Dr. Ram Pund
26	RUSA	Dr A.R.Rote , Mr.P.P.Gadakh
27	Skill development /Competitive exams	Dr D. L.Attarde , Mr. K.B. Chaudhari
28	Student Development Activities(SDO), Rotract Club Activities. Health Services Scheme (Medical Health Check up-SPPU) Mentorship	Mr. B.P.Wagh Mrs.V.R.Jadhav Mrs.A.P.Bhosale
29	NSS Activities.	Mr. R.D. Pathak , Mrs. V.D. Rakibe, Mrs R.S Gujrathi.
30	Extra-curricular activities and Sport (Gathering ,sports, cultural, NPW etc)	Mr.R.D.Pathak , Mrs.R.S.Gujarathi
31	QIP equipments	Dr.R.R. Karmarkar ,Dr. S.K. Mahajan
32	PTA Incharge	Dr.S.A.Katti (All class teachers)
33	Committee for SC/ST Students	Mrs.V. R. Jadhav
34	Social Media (Facebook,Twitter,Telegram) Advertising/Publicity (Newspaper)	Dr.K.V.Bhambar , Miss. Y. B. Thombre Dr.U.Ulhe
35	Discipline	Dr.A.Y.Pawar , Mrs.S.H.Pawar
36	Incubation Innovation Committee	Dr.M.Mohan , Dr.S.A.Katti

HEAD OF THE DEPARTMENTS:

Sr. No	Department	Name of the In Charge Staff Members
1	Pharmaceutics	Dr.R.R.Karmarkar
2	Pharmaceutical Chemistry	Dr.S.K.Mahajan
3	Pharmacology	Dr.M.Mohan
4	Pharmacognosy	Dr.J.Y.Nehete
5	Quality Assurance Techniques	Dr.K.V.Bhambar
6	Pharm.D	Dr.Pranati Chavan

CLASS IN CHARGE & PTA:

Sr. No	Class	Name of the In Charge Staff Members
1	First Year B. Pharm	Div Ist: Mrs.A.P.Bhosale Div IInd: Mr.P.P. Gadakh
2	Second Year B. Pharm	Div Ist: Mrs. V. R. Jadhav Div IInd: Mrs S.J.Patil
3	Third Year B. Pharm	Dr. D. L.Attarde
4	Fourth Year B. Pharm	Mrs.V.D.Rakibe
5	First Year Pharm.D.	Dr.Pranati Chavan
6	Second Year Pharm.D.	Dr. Ram Pund

B) Examinations

Examination is an important component for assessment of the progress of the learning.

- ☐ All the examination matters are dealt by Controller of Examinations, Savitribai Phule Pune University,Pune.

- Internal examinations are conducted by examination department by CEO and assisted by Exam Incharges.

Though all teachers are involved in the examinations, the class teachers assist in compilation of marks, attendance, etc.

EXAMINATION COMMITTEE-2021-22

Sr. No	Name of Staff	Designation
01	Dr. R. S.Bhambar	Principal
02	Dr. S. K. Mahajan/Dr J.Y.Nehete	Vice Principal
03	Dr J.Y.Nehete	C.E.O
04	Prof. S H Pawar	Exam I/C (B.Pharm)
05	Dr. D L Attarde Prof Y B Thombare	Academic I/C (UG and PG) Academic I/C(Pharm D)
06	Dr. R.R.Karmarkar	Exam I/C (M.Pharm)
07	Mrs. S.V.Shewale	Supporting Staff:
08	Mr Nitin B. Jadhav Miss Shruti Vaidhate	Students (First Year B.Pharm)
09	Mr. Dinesh D. Revgade Mr. Gaurav U. Ahire	Students (Second Year B.Pharm)
10	Miss Akanksha S. Shinde	Students (Third Year B.Pharm)
11	Miss Akanksha M. Khandwe	Students (Final Year B.Pharm)

C) Redressal Committee

Internal complaints committee (ICC) for women

Men and women in today's society work together on all fronts. Women are today at the forefront in politics, business as well as social domains. Yet women and students of all genders have to suffer sexual harassment. Any form of sexual harassment is against the basic human right of freedom and right to live. Every individual deserves a workplace which is safe and secured. Also basic respect is expected at any work place by every individual. Government of India promulgated The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 on 9th December 2013 which superseded Apex Court's Vishaka Guidelines of 1997. The Act lay down a grievance redressal mechanism that mandates all educational institutions set up an Internal Complaints Committee (ICC) to look into such complaints. The entire objective is to ensure a safe and healthy working environment for women and students.

- Grievance redressal mechanism**

Every Executive Authority shall constitute an internal complaints committee with an inbuilt mechanism for gender sensitization against sexual harassment. The ICC shall have the following composition

1. A Presiding Officer who shall be women faculty member employed at a senior level at the educational institution nominated by the executive authority.
2. Two faculty members and two non teaching employees nominated by executive authority.
3. Three students if the matter involves students who shall be enrolled at undergraduate masters and research scholar level respectively elected through transparent democratic procedure.
4. One member from amongst non government organizations or associations committed to the cause of women or a person familiar with the issues relating to sexual harassment nominated by executive authority.

At least one half of the total members of ICC shall be women. Keeping the above guidelines in view, MGV's Pharmacy College has constituted a committee against sexual harassment since 2003.

Designation	Name of Staff
Presiding Officer	Dr. Mahalaxmi Mohan
Member (Faculty)	Dr.S. A. Katti Prof.V.D.Rakibe
Member (Non teaching employees)	Mr.A. P. Ghumare Dr. U. S.Ulhe
Member (External)	Dr. Kavita B.Deore (M D –Psychiatrist)
Student Representatives	Miss Krutika A. More(P.G.) Miss Sneha Nathe(U.G.)

- Responsibilities of ICC**

The ICC shall

1. Provide assistance if an employee or student chooses to file a complaint with the police
2. Provide mechanisms of dispute redressal and dialogue to anticipate and address issues through just and fair conciliation without undermining complaints rights and minimize the need for purely punitive approaches that lead to further resentment alienation or violence.
3. Protect the safety of complainant by not divulging the persons identity and provide the mandatory relief by way of sanctioned leave or relaxation of attendance requirement or transfer to other department or supervisor as required during the pendency of the complaint or also provide for the transfer of the offender.

4. Ensure that the victims or witnesses are not victimized or discriminated against while dealing with complaints of sexual harassment.\
5. Ensure prohibition of retaliation or adverse action against a covered individual because the employee or the student is engaged in protected activity.

Sexual harassment includes any one or more of the following unwelcome acts or behavior (whether directly or by implication) namely:

- Physical contact and advances or
- A demand or request for sexual favors or
- Making sexually colored remarks or
- Showing pornography or
- Any other unwelcome physical, verbal or non-verbal conduct of sexual nature.

Staff Grievance Cell

Sr.No.	Name	Designation
1	Dr .V. S .More	Chairman of the Committee (General Secretary's) Nominee
02	Dr. R. S. Bhambar	Secretary of the Committee(Nominated by General Secretary)
03	Mr. P.N.Deore	Member(Nominated by the Board of Trustee/Director)
04	Dr.S.N. Nikam	Member (Principal of College)
05	Mr.P.R. Patil	Member (Headmaster of School)
06	Dr.Mrs.A.S.Patil	Member (Teaching of College)
07	Mr.J.R.Ahire	Member (Teaching of Jr.Colleges)
08	Mr.P.N.Patil	Member (Teaching of School)
09	Ms.K. A.Patil	Member (Teaching of Pri-School)
10	Mr.R.N.Sonawane	Member (Non-Teaching of Colleges)
11	Mr.S.R.Wabale	Member (Non-Teaching of School)
12	Mr.B. A. Rajankar	Member (Non-teaching of Pri.School)
13	Dr .D.G. Jadhav	Member (Reservation Nominee)
14	Mrs. S. D. Sonawane	Member (Ladies Representative)
15	Dr. P. B. Suryawanshi	Member (Cope)

Student Grievance Cell

Sr.No	Name of Students grievance Committee Member	Designation
01	Mr .B. K. Deore	Chairman
02	Dr. B .S. Jagdale	Secretary
03	Mr. P. N. Kale	Member
04	Dr. N. B. Pawar	Member
05	Mr. N .M. Patil	Member
06	Mr. B. S. Ahire	Member
07	Dr. Mrs. A .S. Patil	Member

D) Discipline Committee

Disciplinary matters are dealt with stern approach expeditiously. Any matter communicated verbally, written form or in anonymous format are viewed with due weightage. Matters concerning ragging reports by any mean or by the anti-ragging squad are dealt with utmost seriousness.

E) Anti ragging committee

Ragging though a universal phenomenon, it often takes a malignant form wherein the juniors and new students may be subjected to physiological or physical discomfort or harassment. To prevent and deter such incidents in higher educational institutions, the Government of India has taken a serious view on the cases of ragging. The AICTE, UGC, SPPU, PCI and statutory bodies implement the provisions.

The following members of the college are being appointed to form the anti-ragging committee. Besides looking after general discipline, the committee will supervise all anti-ragging measures.

COMPOSITION OF ANTI-RAGGING COMMITTEE 2021-22:

Name	Designation
Dr R.S. Bhambar	Chairperson(Principal)
Dr. S.K. Mahajan	Member (Senior Faculty Member)
Dr. J.Y.Nehete	Member (Faculty Member)
Dr. M. Mohan	Member (Faculty Member)
Mr.A.P.Ghumare	Member (O.S)
Mr. S.D.Fartale	Member (Police Administration Representative -Asst.Police Inspector)
Mr.Arun Malani	Member (Local Media Representative)

Mr. D. P. Shewale	Member (NGO Representative)
Miss.V.H.Kulkarni	Member(Student Representative-Cultural)
Mr. R.J.Pardeshi	Member(Student Representative-Sports)
Mr.VishalV.Sukenkar	Member(Student Representative-Third Yr B.Ph)
Miss. Cynthia S.Tribhuvan	Member (Student Representative- Reservation Cell)
Mr. Ramdev V.Vyas	Member (Parent Representative)
Mr. Anurag R. Vyas	Member (Student Representative-F. Y. B. Ph)

ANTI RAGGING SQUAD (2021-22) Boys

Sr.no.	Members	Designation
01	Dr. Mahajan Sunil K.	Chairperson
02	Mr. Ravi D. Pathak.	Sr.Faculty Member
03	Mr. Choudhari Vijay T.	Non-teaching member

ANTI RAGGING SQUAD (2021-22) Girls

Sr.no..	Members	Designation
01	Dr. M.Mohan.	Chairperson
02	Mrs. Subhangi H. Pawar.	Sr.Faculty Member
03	Dr. Mrs. Ulhe Ujwals S.	Non-teaching member

SPPU Procedures against Anti-ragging:

The directorate of Academic Audit of Savitribai Phule Pune University, outlined anti-raging policy in the form of principals manual, with a motto to zero tolerance to ragging. The MGVPC follows the policy. As per the guidelines, the college follows the procedures.

1. The students submit the affidavit to the college as per the format of AICTE.
2. An undertaking from the students and parents.
3. An undertaking from the employees.

The salient features of the Prohibition of Ragging Act, 1997 are displayed in the college premises.

F) Committee for SC/ST

As per scheduled caste and scheduled tribes (Prevention of Atrocities) Act. 1989 with reference to the above, and as per guidelines of AICTE, Handbook 2016-17 The Institute has established the committee for sc/st with following members:

Sr. No.	Name of Members	Designation	SC/ST Committee Designation
1	Dr. R. S. Bhambar	Principal	Chairman
2	Dr. S. K. Mahajan	Vice Prin	Member
3	Dr. Mahalaxmi Mohan	Professor	Member
4	Mrs. Vrushali Ramesh Jadhav	Asst. Professor	Member
5	Mr. Ashok Ghumre	O. S.	Member
6	Mrs. Cynthia S. Tribhuwan	Third Year	Member
7	Mrs. Pradnya Ramesh Gaikwad	Final Year	Member

G) Purchase committee

Sr. No.	Name of Members		Designation
1	Mr, Rajesh Shinde	CDC Chairman	Chairman
1	Dr. R.S.Bhambar	Principal	Secretary
2	Dr.S.K.Mahajan	Vice Principal-HOD - P'Chem.	Member
3	Dr. A. R. Rote	Vice Principal- Pharm D	Member
3	Dr.Mahalaxmi Mohan	HOD-P'cology	Member
4	Dr.J.Y.Nehate	HOD-P'cognosy	Member
5	Dr. R.R.Karmarkar	HOD-P'ceuitcs	Member
6	Prof.K.V.Bhambar	HOD –QAT	Member
7	Prof. Vaishali D. Rakibe	Store Incharge	Member
8	Dr.Ujwala Ulhe	Librarian	Member
9	Mr. Ashok Ghumare	O. S. HR	Member
10	Mr.A.N.Amrutkar	O.S. Finance	Member
11	Mr.V. T. Chaudhari	Store Keeper	Member

The purchase procedure is as follows.

- Quotations are obtained from approved vendor
- As per the technical specification and cost, the purchase order is prepared and sent for approval.
- Purchase order is sent to central office for final approval where the purchase order is prepared and sent to vendor.
- Purchases are done up to the level of allocated funds, however, under some special priority considerations, the purchases can go beyond the allocated funds which will be later rectified by the CDC/Governing Body.

9.1.3. Delegation of financial powers (15)

(Explicitly mention financial powers delegated to the Principal, Heads of Departments and relevant incharges. Demonstrate the utilization of financial powers for each year of the assessment years.)

Principal: The principal has the financial powers, keeping in view the urgency and needs. These are to authorize the purchase of consumables for laboratories (books etc) over and above the general procedure of annual purchases.

- ☐ To permit the reimbursement of travelling (conferences and workshops) and other expenses for official purposes.
- ☐ To take care of guests, parents, alumni and stakeholders.
- ☐ To take care of emergency maintenance
- ☐ To sponsor faculty/staff for any academic activities as per norms.
- ☐ To authorize any other expenses, he may deem essential.

Head of the Department: The Head of the Department has the financial powers to spend Rs 5,000/- at a time, keeping in view of the urgency and needs (chemicals, recurring expences), repair of equipment.

Staff member: Each staff member handling laboratory work has the financial powers to spend Rs 2,000/- at a time, keeping in view of the laboratory needs for conducting experiments (medicines, herbs, oils, commodities of domestic market). The pharmacology department takes care of the needs of the feed, animals and other requirement.

All such financial decisions are exercised in consultation with the principal and administrative in-charge.

9.1.4. Transparency and availability of correct/unambiguous information (10)

(Information on the policies, rules and processes is made available on website)

- ☐ Upon arrival, all students joining MGVPC are informed about the rules, regulations and procedures at college during conduction program. The same are available in the society manual.
- ☐ Periodic reminders are done through circulars and posted in social media network.
- ☐ All information needed by all stakeholders is available in website.
- ☐ Periodic communications are sent to parents/guardians with respect to attendance and internal mark of students, Sessional marks, monthly attendance, examination absenteeism, etc.
- ☐ At the time of joining new staffs, personal information qualifications, professional skills and experience are collected and used for strengthening the course and the college.
- ☐ The data of all staff are periodically updated and uploaded in the college website.

- ☐ The administrative rules and regulations covering all cadre of staff employed are mentioned in the manual. Transparency is maintained relating to rules followed which include general administration, service conditions, duties, promotion policies, increments, awards and also disciplinary action.
- ☐ The syllabus book of Savitribai Phule Pune University, Pune is available in the library which provides transparency in implementing academic plans and current regulations, courses, marks, attendance, examination, etc.
- ☐ Recruitment and interview of all staff is done by issuing advertisements and following the regulations of Savitribai Phule Pune University, Pune, AICTE and Pharmacy council of India (PCI).
- ☐ Communications are displayed in the notice boards in each floor. Several boards are available for each department, placement, training, library, etc.

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

(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, CFYm3: Current Financial Year minus 3

Budget allocation and utilization: The details of budget allocation in terms of income earned and expenditure incurred for the last four consequent previous years are given below.

For CFY (2020-2021)

Total Income					Actual Expenditure (till....):			Total No. of students: of Students
Fee	Govt	Grant(s)	Other sources (specify)	Total	Recurring including Salaries	Non Recurring	Special Projects / Any other	Expenditure per student
For CFY (2020-2021)								
40872196	-	34142	1223735	42130073	44115211	682727	-	106408

For CFYm1 (2019-2020)								
40355321	-	14850	1073674	4144384 5	4945833 4	123127 1		141591
For CFYm2 (2018-2019)								
45225360	-	-	285253	4551061 3	4526742 0	120309 5	-	135089
For CFYm3 (2017-2018)								
39492007	-	107764	596790	704554	3994903 0	335851 6		134079

Budget expenditure: The details of expenditure into various heads for the last 4 years are given below.

Item	Amount in Lakhs							
	Budget ed in CFY	Expens es in CFY	Budgeted in CFY m1	Expenses in CFY m1	Budgete d in CFY m2	Expense s in CFY m2	Budget ed in CFY m3	Expense s in CFY m3
	(2020- 21)	(2020- 21)	(2019-20)	(2019-20)	(2018- 19)	(2018- 19)	(2017- 18)	(2017- 18)
Infrastructu ral built-up	2000000	279711	5000000	3039548	1700000	1488775	3500000. 00	2463196.0 0
Library	800000	2250	500000	2250	100000	-	600000.0 0	584970.00
Laboratory Equipment	624662	500320	300000	250236	3500000	3197608	350000.0 0	310350.00
Laboratory consumable s	500000	65546	500000	442631	500000	301344	600000.0 0	548153.00
Teaching and Non- Teaching staff salary	3216150 0	33524635	37000000	34671929	33000000	32331792	3500000 0.00	29041441. 00

Maintenance and spares	260000	1665268	2500000	2186650	1500000	1105780	350000.00	326382.00
R & D	0	0	0	0	0	0	400000.00	317324.00
Training and Travel	380000	372483	500000	404874	1000000	878937	500000.00	475208.00
Miscellaneous expenses	1000	0	10000	100	50000	-	100000.00	30666.00
<i>Others, specify</i>	0	0	0	0	0	0	0.00	0.00
Fees and Licence	740000	914734	1250000	998856	2000000	1763881	700000	680000
Electricity	700000	504660	700000	710240	600000	557740	600000.00	507110.00
Housekeeping charges	535000	530054	500000	479603	500000	366211	400000.00	399284.00
Internet charges	55000	148619	130000	122985	50000	-	27000.00	25875.00
Others	6151210	7071939	14000000	10671737	10000000	9164830	9000000.00	8594912.00
Total	44908372	45580219	62890000	53981639	54500000	51156898	52127000	44304871

The major areas are salaries, purchase department, consumables, fees, and licenses, housekeeping maintenance, etc.

Accounting: The accounting of the income and expenditure of the college is handled by two accountant staff. Further a system of internal auditing is arranged engaging the auditor, not associated with the organization, The process of accounting is done once in every 3 months and compiled for the financial year.

9.2.1. Adequacy of budget allocation (10)

(Justify that the budget allocated over the years was adequate)

Mahatma Gandhi Vidyamandir's Pharmacy College follows the process of distributing the available financial resources in a manner consistent with our institute's vision, mission, long-term goals, which are transparent to stakeholders. The allocation model is updated annually. Keeping in view of the fact that no budgeting process is perfect and that ideally there would be more funds to allocate, the goals of the process are to:

- ☐ recognise the importance of staff to long term success.
- ☐ encourage areas to focus on outputs directly related to the strategic plan.
- ☐ improve institutional and support facilities to make the learning in a better environment.
- ☐ increase research and development

The college allocates the available resources based on the requirements, keeping the curricular (Industrial Visits) and extracurricular activities (National Pharmacy Week Celebrations, Cultural and sports, NSS), activities which come under Board of Students Development, R & D (Faculty Development Programs, Hands on Training, Site-Training, Industrial Training, Avishkar, IPS, IPA), library, purchase, and maintenance in mind. It is the responsibility of college development committee (CDC) to ensure that the allocated resources are spent as per their plans. The emphasis is to increase quality of academic inputs delivered and positively contribute to the institute, in terms of development of new technologies, methods and practices.

9.2.2. Utilisation of allocated funds (15)

(State how the budget was utilized during the last three years)

The principal asks for dept budget from respective HODs during the commencement of each academic year.

The college development committee (CDC) decides the utilization for the financial year's allocated funds in consultation with the concerned experts including Principal. The utilization is made as per the plans. The priorities are identified. Emphasis is made on increasing the quality of academic inputs that positively contribute to the development.

The purchase procedure is as follows.

- Quotations are obtained from approved vendor
- As per the technical specification and cost, the purchase order is prepared and sent for approval.
- Purchase order is sent to central office for final approval where the purchase order is prepared and sent to vendor.

- Purchases are done up to the level of allocated funds, however, under some special priority considerations, the purchases can go beyond the allocated funds which will be later rectified by the CDC/Governing Body.
- Delegation of financial powers is promoted to keep the autonomy of the college and reduce time delays.

Optimum utilization of policy of the management by utilizing the funds in the lines of the mission statement and objectives. Regular auditing and inventory checks (in-house) keep the mechanism free from over spending.

The guidelines towards making purchase of laboratory equipment, programs conducting, training activities and other miscellaneous are framed and followed.

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

(Needs to make audited statements available on its website)

Yes, the audited statements are available on MGVPC website www.mgv.org.in

9.3. Library and Internet (20)

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

Library space and ambience, timings and usage, availability of a qualified librarian and other staff, library automation, online access, networking, etc

- ☐ Carpet area of library (in m²) 150 SqM
- ☐ Number of seats in reading space 85
- ☐ Number of users (issue book) per day 80-90
- ☐ Number of users (reading space) per day : **70**
- ☐ Timings:
 - During working day **9.30am to 5.30 pm**
 - Weekend, **8.00 am to 1.00 pm**

Number of library staff - **2**

Number of library staff with degree in Library- **2**

Management Computerization for search,

indexing, issue/return records, bar coding used- **Yes**

Library services on Internet/Intranet- **Yes**

Yes – Inflibnet

INDEST or other similar membership- **N-List**

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

- *Relevance of available learning resources including e-resources*
- *Accessibility to students*

Library Rules:***General Rules –***

1. All Students must make use of the library facility to enrich their academic excellence.
2. Only bonafide students are allowed to enter the college library on the strength of a valid Identity card, which must be produced as and when it is demanded by the library staff or college teaching staff.
3. Complete silence must be maintained in & near the library.
4. Using the cell phone in the library is strictly prohibited.
5. In case of any difficulty readers can approach the librarian.
6. Co-operation of the students is earnestly sought in observing the rules.
7. One book will be issued for reading in the library against the Identity Card.

Timing of the Library –

The college library remains open in between 9.30 a.m. to 5.30 p.m.

Identity Card Rules –

1. The student should bring with him/her this card without fail to the college and present it whenever required.
2. Library Books will be issued only on presentation of this card.
3. This card is not transferable.
4. If this card is lost, the student must intimate to the principal immediately in writing.
5. If this card is lost duplicate identity card will be issued on payment of Rs. 50/-
6. Books will be issued for reading in the study room in the library on producing the Identity Card. Books are not to be taken out of the library on any account.
7. Only bonafide students are allowed to enter the college library on the strength of a valid Identity card, which must be produced as and when it is demanded by the library staff or college teaching staff.

Home Lending –

- 1 Library books will be issued to the regular students for home lending.
- 2 Two books will be issued for home lending against the Borrower Card. Pure reference books, loose issues of periodicals, magazines and newspapers will not be allowed out of

the library or for home lending.

- 3 The book may be issued for a week more provided there is no demand for the book from other students.
- 4 Books newly acquired for library will be available for a reading in the study room as soon as they are ready for use. They will be available for home reading after fifteen days of their being ready for use in the library.
- 5 They should return all the books to library immediately after their external examination.

Reading Room –

- 1 Books will be issued for reading in the study room in the library on producing the Identity Card. Books are not to be taken out of the library on any account.
- 2 At the time the book is issued for reading in the study room or for home reading, the student must satisfy himself/herself that the book is not damaged or that the pages are not missing. If there is a damage or loss of pages, it must be brought to the notice of the library staff. Otherwise they are held responsible for any damage or loss or torn pages.
- 3 If the book is lost or damaged by the students or if the pages are missing from the book, the value of the book shall have to be paid at the current price. If the book is rare or out of print & the cost of the book is too low, amount decided by the Principal must be paid.
4. Bonafide students and the teaching staff can use the library. No Ex-student or no outsider will be allowed to the use the library except by the approval of the Principal

Home Lending facilities for the staff of the College –

- 1 Teaching staff may borrow five books at a time. Additional books can be borrowed by the teaching staff for their use with the permission of the Principal / Librarian.
- 2 Books must be returned to the Library within 30 days from the date of issue. If necessary with permission of the Librarian they can keep for 15 days more.
- 3 Pure reference books are meant exclusively for use in the library only & the same cannot be issued for home lending except with the permission of the Principal or Librarian for use of overnight only.
- 4 No latest issue of any periodical / magazine / newspaper can be issued for home lending only 02 back issues of any periodicals will be issued for home lending at a time for a week.
- 5 Teachers are requested not to bring walkman or any electronic instruments and eatables inside the library.
- 6 The staff of the college is also requested not to use cell phone when they are in the library, or keep it in silent mode and speak softly on the cell, in order to maintain silence.
- 7 All the books taken for home lending must be returned to the library before March 31 of every academic year for stock verification.
- 8 If the books are lost or damaged by any staff member, the same must be replaced or the current price of the book must be paid. If the book is rare or out of print & the cost is too low, suitable amount decided by the library committee must be paid.

Library Details -Titles and volumes per title

Sr. No.	Subject	No. of Titles	No. of Vol
1	B Pharma	3100	11838
2	M Pharm Pharmaceutics	165	385
3	M Pharm Pharmacology	146	458
4	M Pharm Pharmacognosy	203	362
5	M Pharm Pharma chemistry	199	603
6	M Pharm Quality Assurance	25	78

Sr. No.	Library Details	Volumes
1	Total numbers of Books	11838
2	Titles of Books	3100
3	Circulation of Books	11048
4	Reference Books	791
5	Pharma D Books	132
6	M Pharma Books (Pharmaceutics-385, Pharmacology - 458, Pharmacognosy-362, Pharma chemistry-603, Quality assurance-78)	1896
7	B Pharma Books	9940
8	Newly Magazine / Journals Subscribed(National-22 and International -20)	50
9	E-Journal –Inflibnet N-List	6000
10	Pharmacopoeia (IP, BP, USP,)	99
11	Biographies	25
12	Encyclopedia	38
13	Dictionaries	72

12	PhD Thesis	04	
14	Atlas	26	
15	Marathi Books	190	
16	General Knowledge Books	273	
17	Monographs	10	
18	E-Books	5700	
19	CD's (B.Pharm & M.Pharm)	638	
20	Project (B.Pharm & M.Pharm)	1010	
21	Chemical Abstract (Year 1709 to 1985= Rs. 1,75,000/-)	780	
	Total Amount Since 1993 to 2021	Rs. 46,08,534/-	
Year	No of New Titles added	No of New Editions added	No of New Volumes added
CFYm2 (2019-20)	12	90	611
CFYm1 (2020-21)	22	73	611
CFY (2021-22)	11	97	110

Sr no	Library Journals/ Back Volumes	Publication
1	Academic Journal of Chemistry(16241)	Pub Cabo
2	Advances in Pharmacology And Pharmacy (15912) Web of science	Enriched information services
3	American Journal of Essential Oil and Natural Products (12230)	AkiNik Publications
4	Asian Journal of Green Chemistry(14838)	AkiNik Publications(2221)
5	Asian Journal of Pharmaceutics (2152)	BRNSS pub
6	Asian Journal of Research in Chemistry (8587)	A & V Publications
7	Indian Journal of Pharmaceutical Education And Research (12) UGC/ PCI	Association of pharmaceutical teachers of India
8	Indian Journal of Pharmacy Practice (7626) PCI	Association of pharmaceutical teachers of India

9	Indonesian Journal of Pharmacy (15882) SCOPUS	Faculty of pharmacy, Gadjah Mada University
10	Industrial Pharmacy (16232)	Pub Cabo
11	Innovation : Journal of Quality Assurance and Pharma Analysis ISSN- 2454-4914 (12635)	Innovational publishers
12	International Journal of Biopharmaceutics(10517)	Pharma Intelligence(1265)
13	International Journal of Current Research And Review(15910) SCOPUS	Enriched information services
14	International Journal of Green Pharmacy (4992) PCI	BRNSS pub
15	International Journal of Medicinal Chemistry and Analysis ISSN 2249-7595 (10528)	Pharma Intelligence(1265)
16	International Journal of Medicinal Plants and Natural Products (16370)	Pub Cabo
17	International Journal of Medicine and Pharmacy (14678) SCOPUS	American research institute for policy dev
18	International Journal of Molecular Biotechnology (12200)	STM journals
19	International Journal of Nanomaterials and Nanostructures(12168)	STM journals
20	International Journal of Pharmaceutical Chemistry and Analysis ISSN 2394-2789 (12894)	IP innovative pub pvt ltd
21	International journal of pharmaceutical research and allied science (15941) SCOPUS	Enriched information services
22	International Journal of Pharmaceutical Science and Research (14261) SCOPUS/ PCI	AkiNik pub
23	International Journal of Pharmacognosy and Chineses Medicine (16339)	Pub Cabo
24	International Journal of Quality Assurance and Management(11897)	Research India pub
25	International Journal of Research in Pharmaceutical Sciences (15528) SCOPUS	Enriched pub.
26	International Journal of Research in Pharmacy and Pharmaceutical Sciences (13659) PCI	AkiNik pub
27	Journal of Advances in Bio- pharmaceutics and Pharmacovigilance (15057)	MAT JOURNALS(2229)
28	Journal of Applied Chemistry (11785)	Enriched pub.
29	Journal of Ayurvedic and Herbal Medicine (14139) PCI	AkiNik pub
30	Journal of AYUSH:-Ayurveda, Yoga,Unani ,Siddha and Homeopathy (AYUSH)(12061)	STM Journals(1381)
31	Journal of Clinical Trials and Regulations(15055)	MAT JOURNALS(2229)
32	Journal of Drug Discovery and Industrial Pharmacy (13793)	Advanced research pub
33	Journal of Herbmed Pharmacology (16319) Scopus	Pub Cabo
34	Journal of In Silico and In Vitro Pharmacology (16239)	Pub Cabo
35	Journal of Medicinal Plants Studies (12229) PCI	AkiNik pub

36	Journal of Molecular Pharmaceuticals and Regulatory Affairs(15054)	MAT JOURNALS(2229)
37	Journal of Quality Assurance and Quality Control(15056)	MAT JOURNALS(2229)
38	Journal of Pharmaceutical Research International (15911) Web Of Science	Enriched information services
39	Journal of Pharmaceutical Science and Clinical Research (16233) Google Scholar	Pub Cabo
40	Journal of Pharmacology and Research (14900)	Read & research pub
41	Journal of Pharmacovigilance and Quality Assurance (15707)	Mantech pub
42	Journal of Development Policy and Practice(14869)	Sage Publications India Pvt. Ltd.(53)
43	Pharmaceutical Drug Regulatory Affairs Journal (16360)	Pub Cabo
44	Pharmacology and Clinical Pharmacy Research (16238)	Pub Cabo
45	Research & Reviews : Journal of Pharmaceutical Analysis (16234)	Pub Cabo
46	Research & Reviews : Journal of Pharmaceutics and Nanotechnology (16231)	Pub Cabo
47	Research & Reviews : Journal of Pharmacognosy and Phytochemistry (16235)	Pub Cabo
48	Research & Reviews : Journal of Pharmacology and Toxicological Studies (16236) Cosmos	Pub Cabo
49	Resonance - Journal of Science Education (UGC-10515)(218)	Indian Academy of Sciences(21) 58
50	The Journal of Phytopharmacology (14263)	AkiNik pub

Chemical Abstract (1709-1985) =780 Vol. (1, 75,000)

Total Back Volumes = 450

Indian Pharmacopeia- (2014)

Indian Pharmacopeia- (2016) E-Copy

British Pharmacopeia- 2009, (2016) E-Copy

United States of Pharmacopeia -2009, (2018) E-Copy

Digital Library

☐ Availability of digital library contents: If available, then mention

- Number of courses: Diploma, B. Pharmacy, M. Pharmacy, Pharma D, PhD(Research Centre)
- Number of e- books:5700
- Availability of an exclusive server: Yes
- Availability over Intranet/Internet: Yes
- Availability of exclusive space/room: Yes

- Number of users per day: 100-125

By rotation, each student get books of all subjects in each semester. In addition, 2 books are issued for a period of fortnight. Further when the books are revised, the revised editions are also procured and made available to the students. For the subjects such as computer sciences the teachers prepare the laboratory manual to suit the university syllabus and give one copy to each student as a book set.

9.3.2. Internet (10)

- | | |
|---|----------------------|
| <input type="checkbox"/> Name of the Internet provider | : BSNL |
| <input type="checkbox"/> Available bandwidth | : 40 Mbps |
| <input type="checkbox"/> Access speed | : 100 Mbps |
| <input type="checkbox"/> Availability in computer lab's | : Yes |
| <input type="checkbox"/> Availability in department and other units | : Yes |
| <input type="checkbox"/> Availability in faculty rooms | : Yes (Wi-Fi) |
| <input type="checkbox"/> Wi-Fi availability | : Yes |
| <input type="checkbox"/> Institute own email facility to faculty/
students | : Yes |
| <input type="checkbox"/> Internet access in labs, class rooms,
library and other offices | : Yes |
| <input type="checkbox"/> Security arrangements | : Yes |

Governance, Institutional Support and Financial Resources**100**

Sl. No.	Criteria	Marks	
		Prescribed	Prescribed
9.0	Governance, Institutional support & Financial Resources		
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	09
9.1.2	Decentralization in working and grievance redressal mechanism	15	13
9.1.3	Delegation of financial powers	15	12
9.1.4	Transparency and availability of correct/unambiguous information in public domain	10	08
9.2	Budget Allocation, Utilization, and Public Accounting at Institute level	30	
9.2.1	Adequacy of budget allocation	10	08
9.2.2	Utilization of allocated funds	15	13
9.2.3	Availability of the audited statements on the institute's website	5	04
9.3	Library and Internet	20	
9.3.1	Quality of learning resources(hard/soft)	10	09
9.3.2	Internet	10	09
	Total	100	85



MAHATMA GANDHI VIDYAMANDIR'S
PHARMACY COLLEGE

Approved by : All India Council of Technical Education (AICTE) and Pharmacy Council of India, New Delhi;
Recognized by : Director of Technical Education, Mumbai and Govt. of Maharashtra,
Permanently Affiliated to : Savitribai Phule Pune University, Pune (CPHN017680)
NBA Accredited (B.Pharmacy), AISHE Code - C - 41939

DECLARATION

I undertake that, the institution is well aware about the provisions in the NBA 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 previsit, visit, post visit and subsequent to grant of accreditation.

Date: June 2022

Place: Nashik



Dr. R. S. Bhambar
PRINCIPAL
PHARMACY COLLEGE
Panchavati, Nashik-422 003

Signature, Name and Designation
of the Head of the Institution with seal

Mumbai Agra Road, Panchavati, Nashik - 422 003. Tel.: (0253) 2515620, 2628399, 2511931.
E-mail : mgvpharmacycollege@gmail.com Website : www.mgv.org.in

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.