

## **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**



Founder



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 (CPHN017660)

Ref: MGV/PC/531 /2018-19

28<sup>th</sup> December 2018

To

Member Secretary,  
National Board of Accreditation  
NBCC Place, East Tower, 4<sup>th</sup> Floor  
Bhisham Pitamah Marg Pragati Vihar,  
New Delhi 110003, INDIA

Respected Sir/Madam,

Sub: Institutional Assessment and Accreditation by NBA-Regarding.  
Mahatma Gandhi Vidya Mandir's Pharmacy College, Mumbai Agra Road, Panchavati,  
Nashik, Maharashtra- Application No- 2690-02/01/2018. Submission of the updated e-Self  
Assessment Report(eSAR)

Reference: Application No - 2690-02/01/2018

Respected Sir,

With reference to the subject and reference cited above, herewith we are submitting the updated Self Assessment Report (eSAR). The above said SAR has been uploaded on the NBA website([www.nba.org](http://www.nba.org)), Self Assessment Report for Mahatma Gandhi Vidyamandir's Pharmacy College, Mumbai-Agra Road Panchavati, Nashik, Maharashtra is hereby submitted for your kind consideration for Institutional Assessment and Accreditation by NBA through the peer team.

This is for your kind information.

Thanking You,

Yours faithfully,

(Dr. R. S. Bhambar)  
**PRINCIPAL**

MGV's Pharmacy College  
Panchavati, Nashik-422 003



Mumbai Agra Road, Panchavati, Nashik - 422 003. Tel.: (0253) 2515620, 2511931 Fax : (0253) 2511931  
E-mail : [mgvpharmacycollege@gmail.com](mailto:mgvpharmacycollege@gmail.com) Website : [www.mgv.org.in](http://www.mgv.org.in)

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### 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, Fax: (0253)- 2511931  
 Email: [mgvpharmacycollege@gmail.com](mailto:mgvpharmacycollege@gmail.com)  
 Website: [www.mgv.org.in](http://www.mgv.org.in)

**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 2<sup>nd</sup> 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-BAHUMAN HITAY BAHUMAN SUKHAYA (benefit and happiness to one and all). His successor Late Vyankatraoji Hiray made MGVC 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, Pharmagognosy, Pharmaceutical Chemistry and Quality Assurance) and Ph. D. courses.

**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
MGV's Smitatai Hiray Women's College of Arts, Science and Commerce	2018	Arts, Science and commerce	Nashik (newly proposed)

**There are 15 Professional Colleges, 07 Primary School units, 11 Granted Colleges, 31 Secondary School Units, 18 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	60	Yes	--
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	

**\*Write applicable one:**

- Applying first time
- Granted provisional accreditation for two years for the period (specify period)
- Granted accreditation for 5 years for the period (specify period)
- Not accredited (specify visit dates, year) Withdrawn (specify visit dates, year)
- Not eligible for accreditation
- Eligible but not applied

**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 (2017-18)		CAYm1 (2016-17)		CAYm2 (2015-16)	
		Min	Max	Min	Max	Min	Max
Faculty in Pharmacy	<b>M</b>	12	13	11	11	11	11
	<b>F</b>	08	09	08	08	08	08
Faculty in Sciences and Humanities	<b>M</b>	01	01	01	01	01	01
	<b>F</b>	-	-	-	-	-	-
Non-Teaching Staff	<b>M</b>	31	32	34	43	38	49
	<b>F</b>	05	05	05	06	04	06

\*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 – 2017-18, CAYm1: (Current Assessment Year minus 1) – 2016-17, CAYm2: (Current Assessment Year minus 2) - 2015-16

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

Items		CAY (2017-18)		CAYm1 (2016-17)		CAYm2 (2015-16)	
		Min	Max	Min	Max	Min	Max
Faculty in Pharmacy	<b>M</b>	06	06	04	04	0	0
	<b>F</b>	02	02	01	01	0	0
Faculty in Sciences and Humanities	<b>M</b>	-	-	-	-	-	-
	<b>F</b>	-	-	-	-	-	-
Non-Teaching Staff	<b>M</b>	-	-	-	-	-	-
	<b>F</b>	-	-	-	-	-	-

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

Student (B.Pharmacy)	Numbers	CAY(2017-18)	CAYm1(2016-17)	CAYm2(2015-16)
Total no. of boys		99	98	108
Total no. of girls		145	163	157
Total no. of students		244	261	265

**M.Pharm**

<b>Student Numbers (M.Pharmacy)</b>	<b>CAY(2017-18)</b>	<b>CAYm1(2016-17)</b>	<b>CAYm2(2015-16)</b>
Total no. of boys	30	25	34
Total no. of girls	37	43	57
Total no. of students	67	68	91

**Ph.D**

<b>Student Numbers (Ph.D)</b>	<b>CAY(2017-18)</b>	<b>CAYm1(2016-17)</b>	<b>CAYm2(2015-16)</b>
Total no. of male candidates	05	03	03
Total no. of female candidates	06	04	02
Total no. of students	11	07	05

*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:**

**“To impart high quality education to graduates and nurture them into competent professionals who can contribute to all spheres of professional activities while upholding human values”**

**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: 9011027612  
 Email id: [dr\\_rsbhambar@yahoo.co.in](mailto:dr_rsbhambar@yahoo.co.in)

ii. Name: Dr. Mahalaxmi Mohan  
 Designation: Professor  
 Mobile No: 9731270123  
 Email id: [mm\\_nasik@yahoo.co.in](mailto:mm_nasik@yahoo.co.in)

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

Criteria No.	Criteria	Marks/Weightage
<b>Program Level Criteria</b>		
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
<b>Institute Level Criteria</b>		
8.	Student support systems	50
9.	Governance, Institutional support and Financial Resources	100
	<b>Total</b>	<b>1000</b>

**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)
<b>Program Level Criteria</b>			
1.	Vision, Mission and Program Educational Objectives	50	44
2.	Program Curriculum and Teaching-Learning Processes	150	120
3.	Course Outcomes and Program Outcomes	100	85
4.	Students Performance	180	130
5.	Faculty information and Contributions	175	134
6.	Facilities	120	108
7.	Continuous Improvement	75	52
<b>Institute Level Criteria</b>			
8.	Student support systems	50	42
9.	Governance, Institutional support and Financial Resources	100	100
	<b>Total</b>	<b>1000</b>	<b>815</b>

<b>CRITERION 1</b>	<b>Vision, Mission and Program Educational Objectives</b>	<b>50</b>
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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:** “To impart high quality education to graduates and nurture them into competent professionals who can contribute to all spheres of professional activities while upholding human values.”

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.

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 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 commitment to teamwork.

## 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>)

**Display Boards:** Flexi-boards, Permanent boards.

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

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.)*

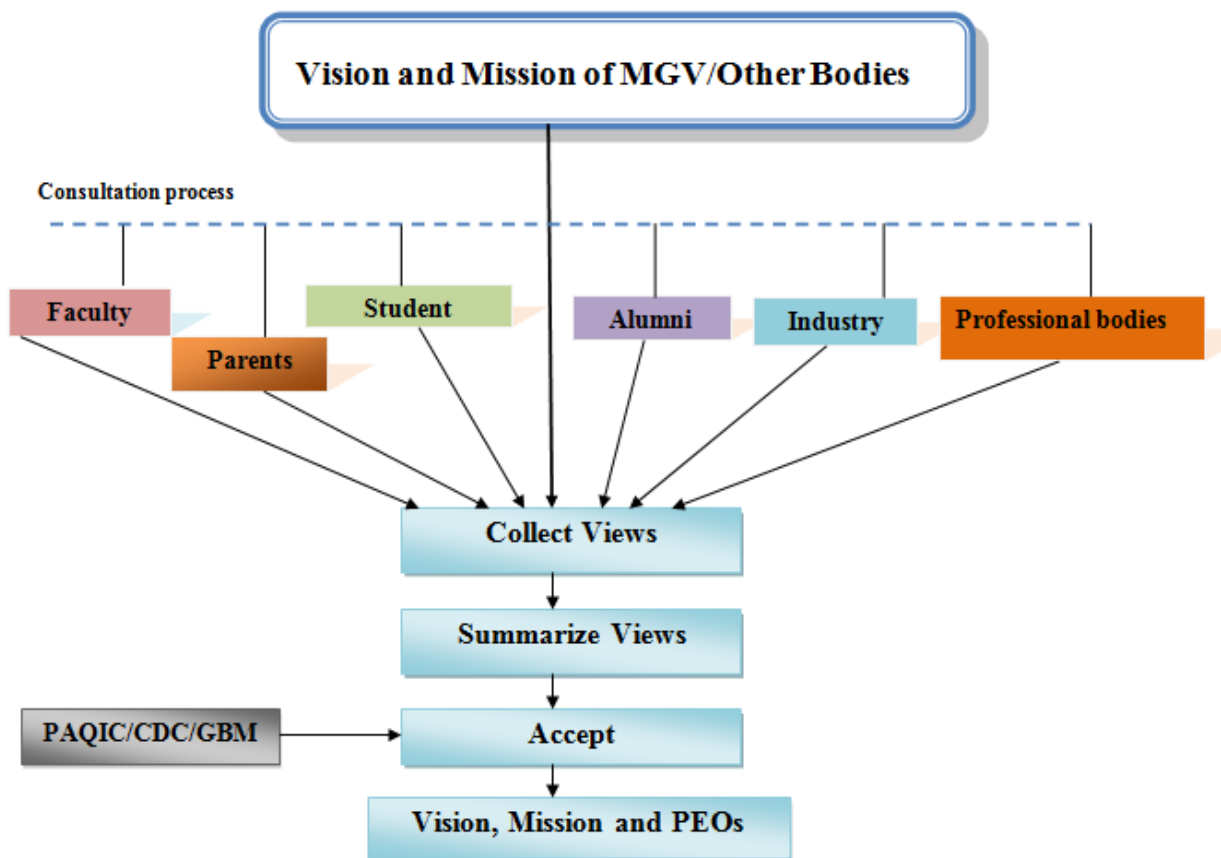
The vision and mission and PEO of the program was established through a consultative process involving the internal and external stakeholders of the program, keeping in mind the future scope and societal requirements of the program.

Step I: A review of vision and mission of various bodies like 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)
PEO1 (Learning)	3	2	2
PEO2 (Core competence)	2	3	2
PEO3(Teamwork)	2	2	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** is highly consistent with all mission components. It is justified through efficient theory/tutorial and practical sessions, mini projects, SPPU results, guest lectures, conferences, workshops, industry-institute interactions.

**PEO2** is also consistent with all mission components. It is justified through skill development initiatives, co-curricular activities such as hospital visits, intercollege competitions, industrial tours and training, conference presentations and mini research projects.

**PEO3** 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.

**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:**

<b>Program Educational Objectives (PEOs)</b>	<b>Expected Level of Attainment</b>
Learning	80%
Core-competence	75%
Team Work	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 inorder to manage projects in a multidisciplinary environment in the most professional way?				

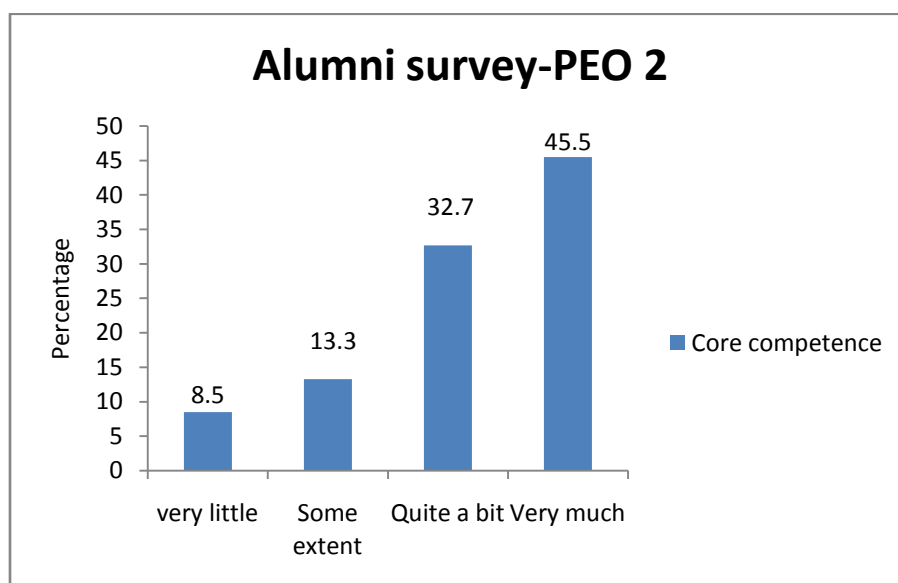
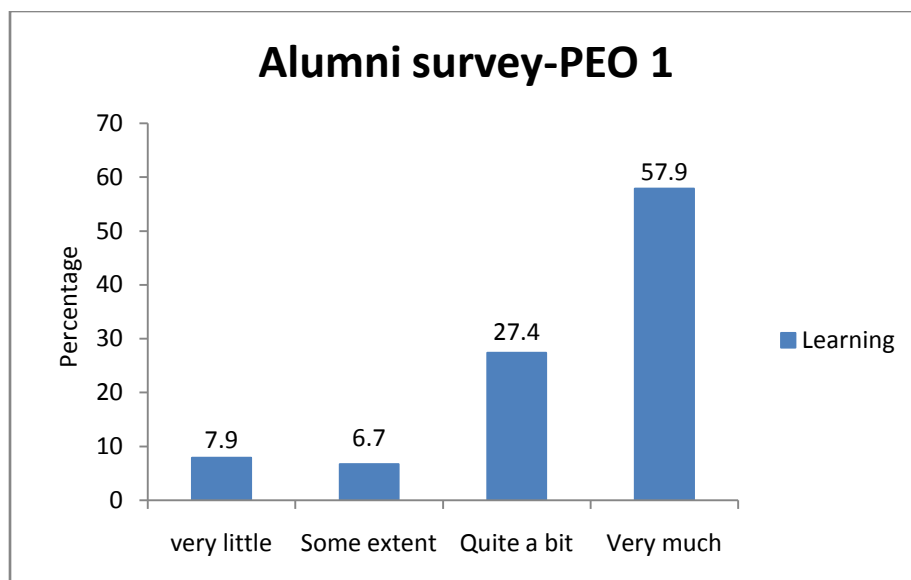
**I. Mapping through Alumni survey(N= 165)**

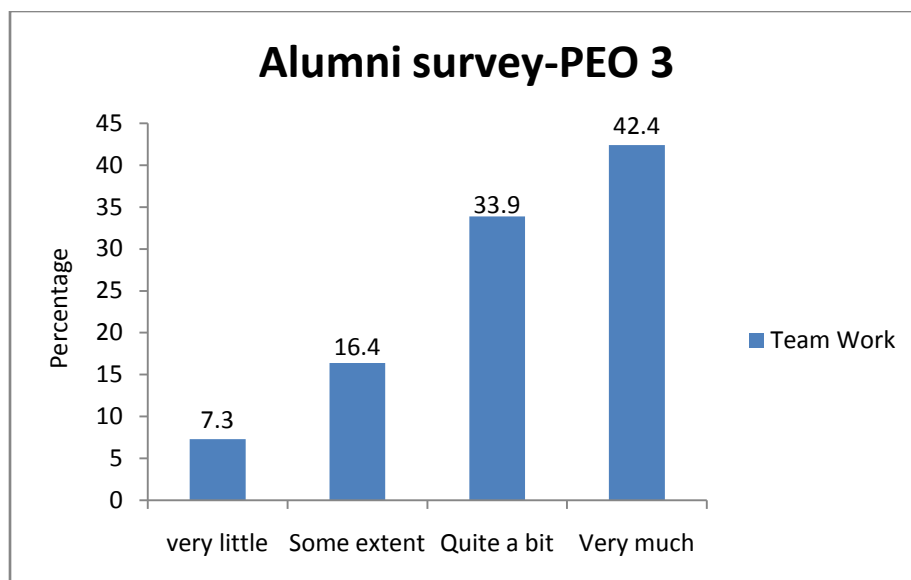
$$\text{PEO 1: } 57.9 \times 4 + 27.4 \times 3 + 6.7 \times 2 + 7.9 \times 1 = 335/100 = 3.35 = 83.75\%$$

$$\text{PEO 2: } 45.5 \times 4 + 32.7 \times 3 + 13.3 \times 2 + 8.5 \times 1 = 315.2/100 = 3.15 = 78.75\%$$

$$\text{PEO 3: } 42.4 \times 4 + 33.9 \times 3 + 16.4 \times 2 + 7.3 \times 1 = 311.4/100 = 3.11 = 77.75\%$$

$$\text{Average} = 3.20 = 80.08 \%$$





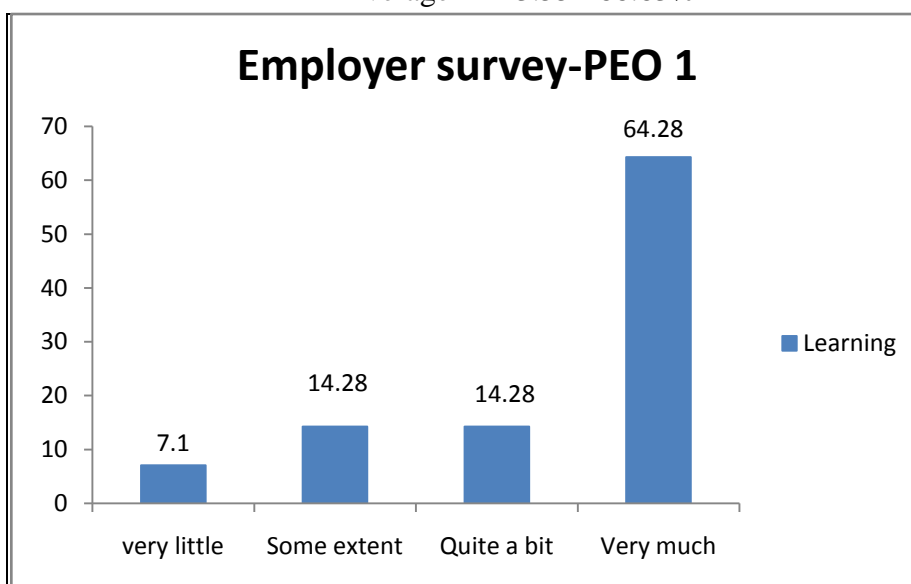
## II. Mapping through Employer survey (N=20)

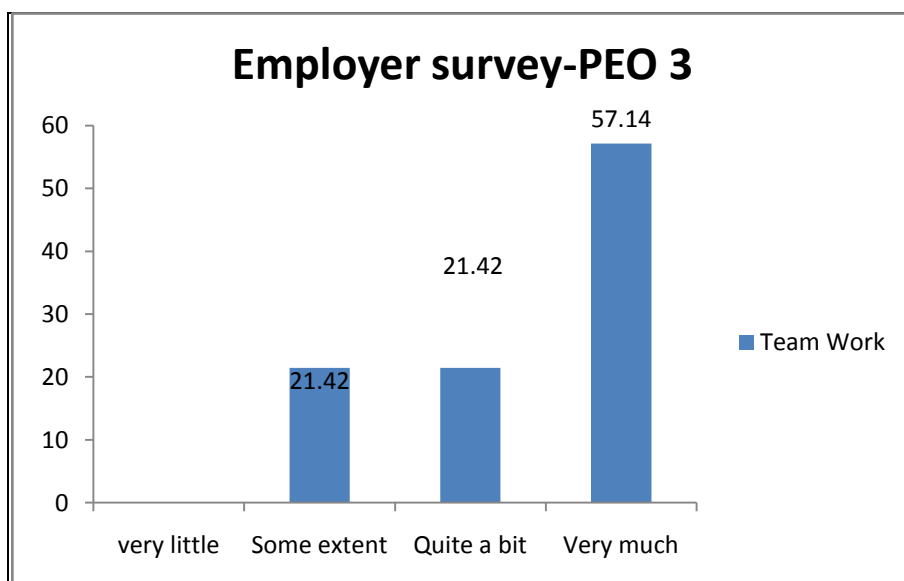
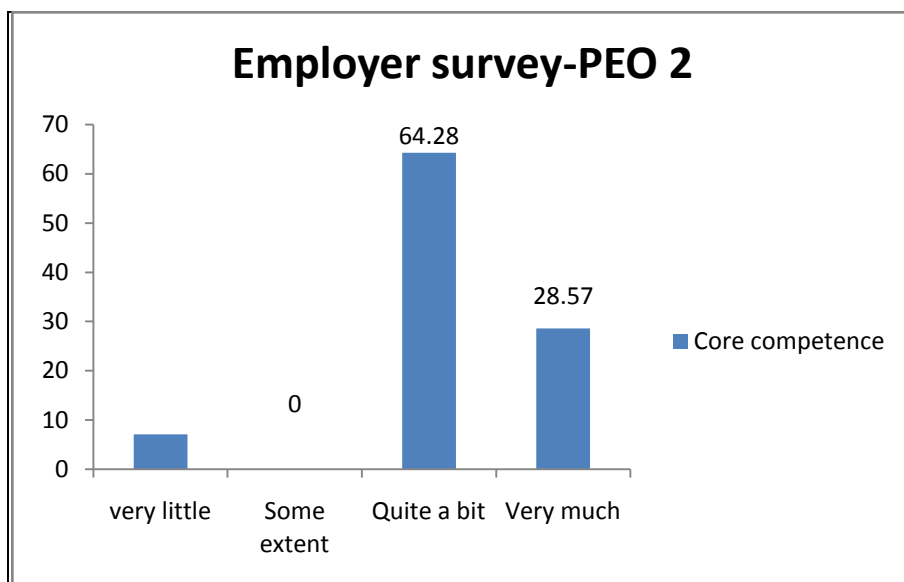
PEO 1:  $62.72X4 + 36.77X3 + 0X2 + 0X1 = 361/100 = 3.61 = 90.26\%$

PEO 2:  $59.27X4 + 34.66X3 + 5.55X2 + 0X1 = 352.2/100 = 3.52 = 88.05\%$

PEO 3:  $54.77X4 + 44.725X3 + 0X2 + 0X1 = 353/100 = 3.53 = 88.31\%$

Average =  $3.55 = 88.83\%$





### III. Mapping through Faculty survey (N=20)

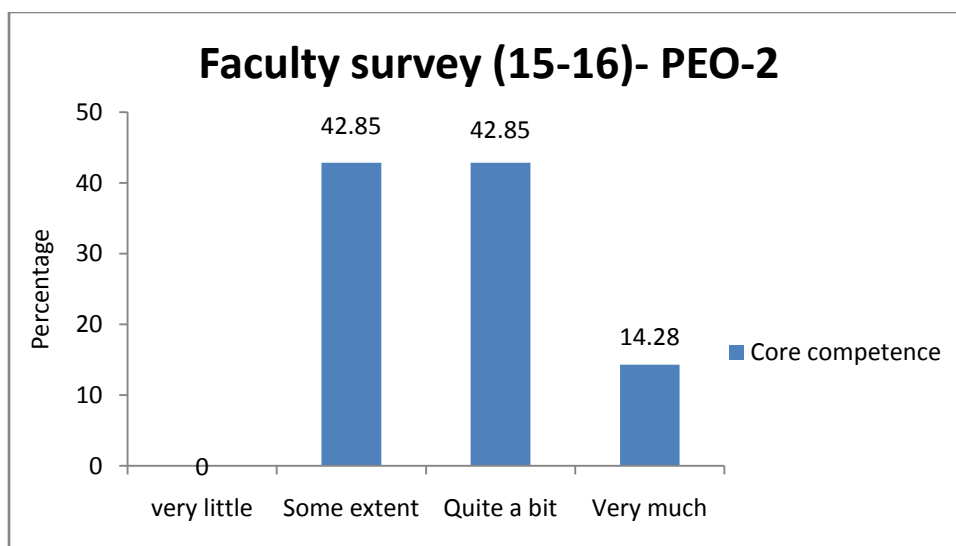
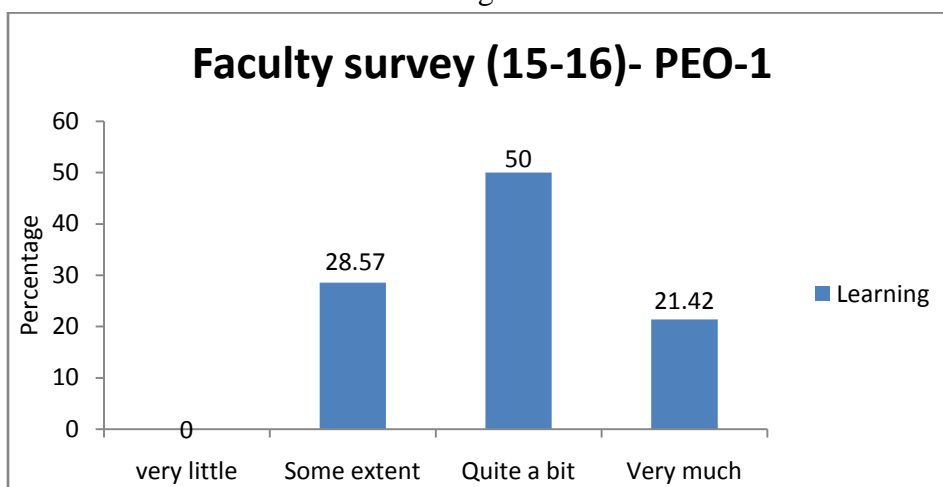
CAYm2 (2015-16)

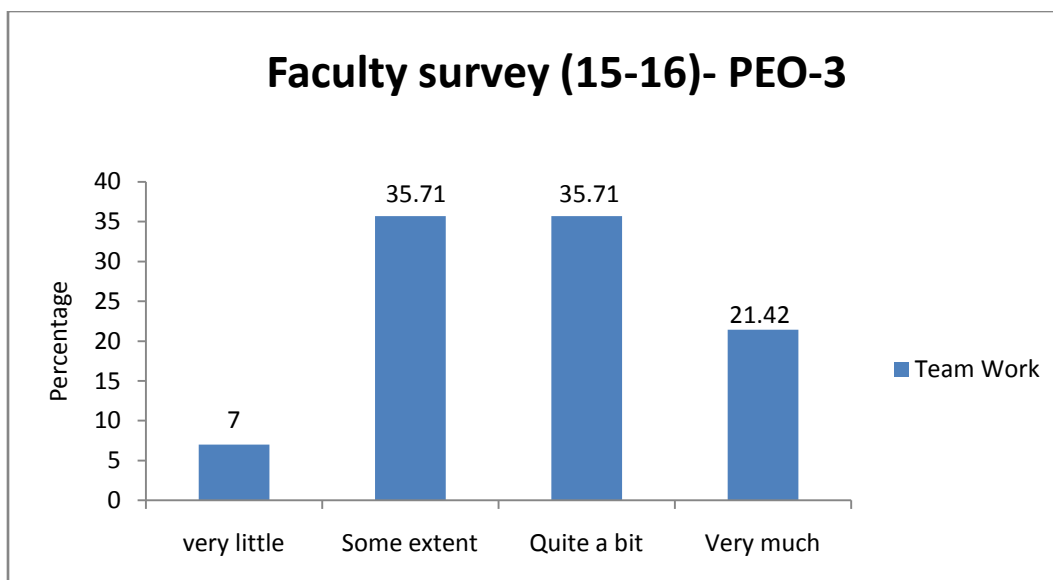
$$\text{PEO 1: } 21 \times 4 + 50 \times 3 + 28 \times 2 + 0 \times 1 = 290/100 = 2.9 = 72.5\%$$

$$\text{PEO 2: } 14 \times 4 + 42.85 \times 3 + 42.85 \times 2 + 0 \times 1 = 270.25/100 = 2.70 = 67.5\%$$

$$\text{PEO 3: } 21.42 \times 4 + 35.71 \times 3 + 35.71 \times 2 + 7 \times 1 = 271.23/100 = 2.71 = 67.75\%$$

$$\text{Average} = 2.77 = 69.25\%$$





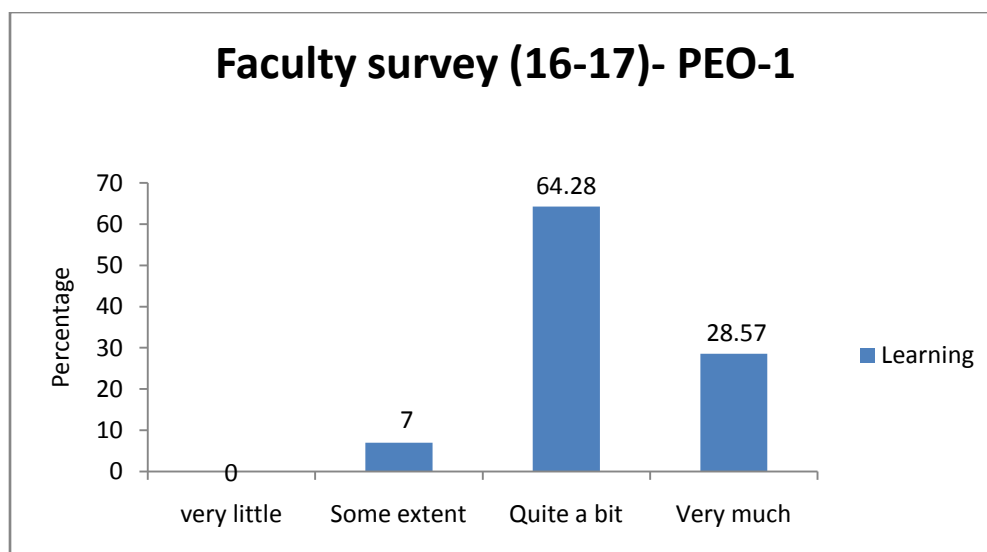
*CAYm1 (2016-17)*

PEO 1:  $28.57 \times 4 + 64.28 \times 3 + 7 \times 2 + 0 \times 1 = 321/100 = 3.21 = 80.28\%$

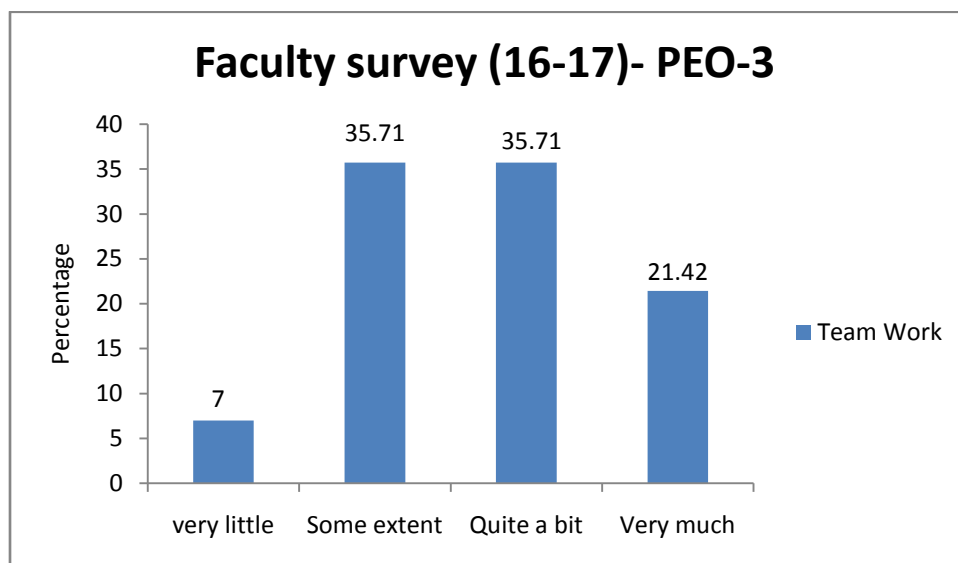
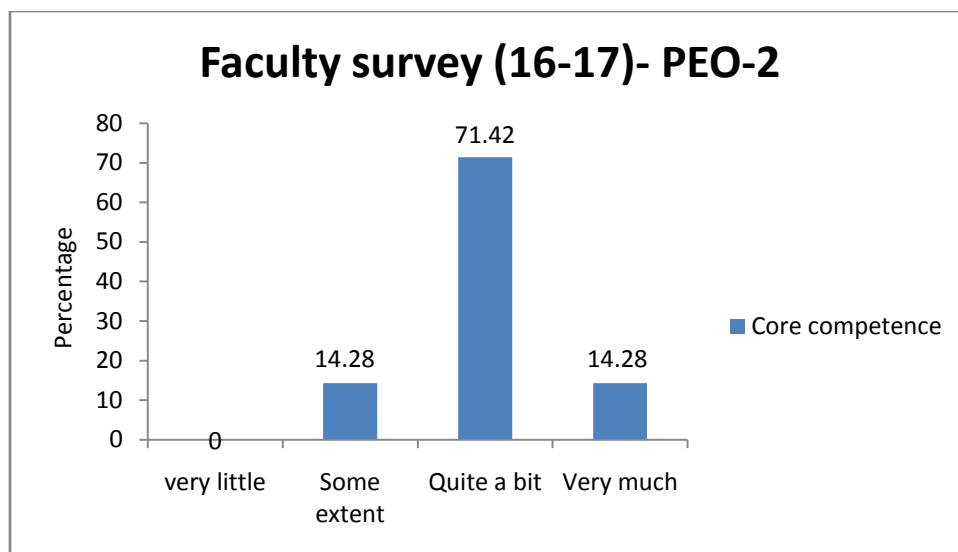
PEO 2:  $14.28 \times 4 + 71.42 \times 3 + 14.28 \times 2 + 0 \times 1 = 299.94 / 100 = 2.99 = 74.98\%$

PEO 3:  $21.42 \times 4 + 35.71 \times 3 + 35.71 \times 2 + 7 \times 1 = 271.23/100 = 2.71 = 67.80\%$

Average =  $2.97 = 74.67\%$  (N=20)







*CAY (2017-18)*

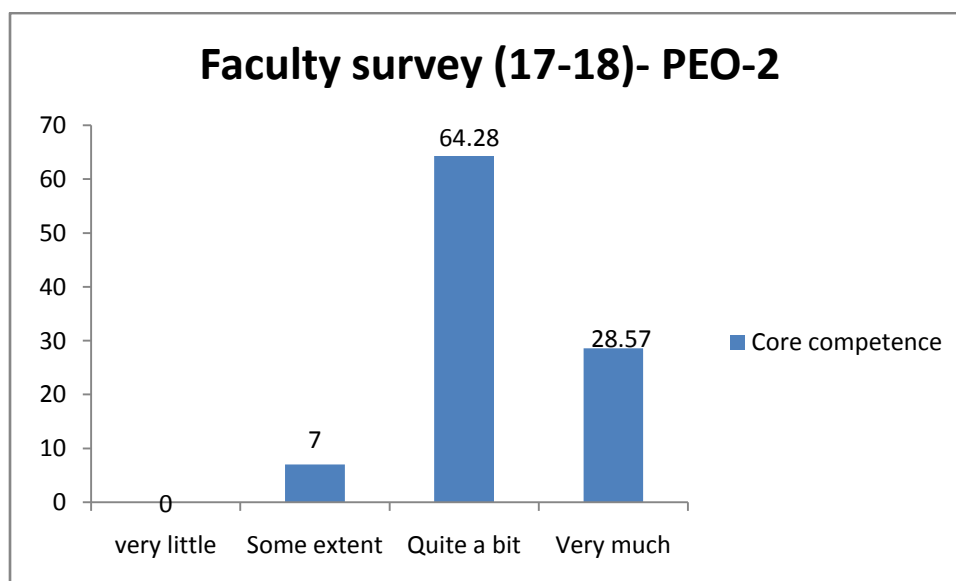
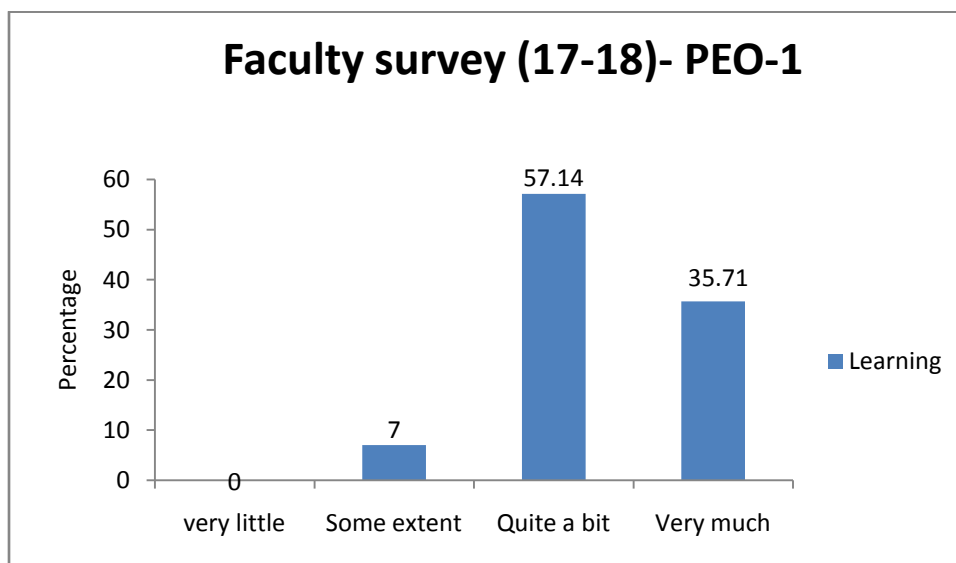
PEO 1:  $35.71 \times 4 + 57.14 \times 3 + 7 \times 2 + 0 \times 1 = 328.26/100 = 3.28 = 82.06\%$

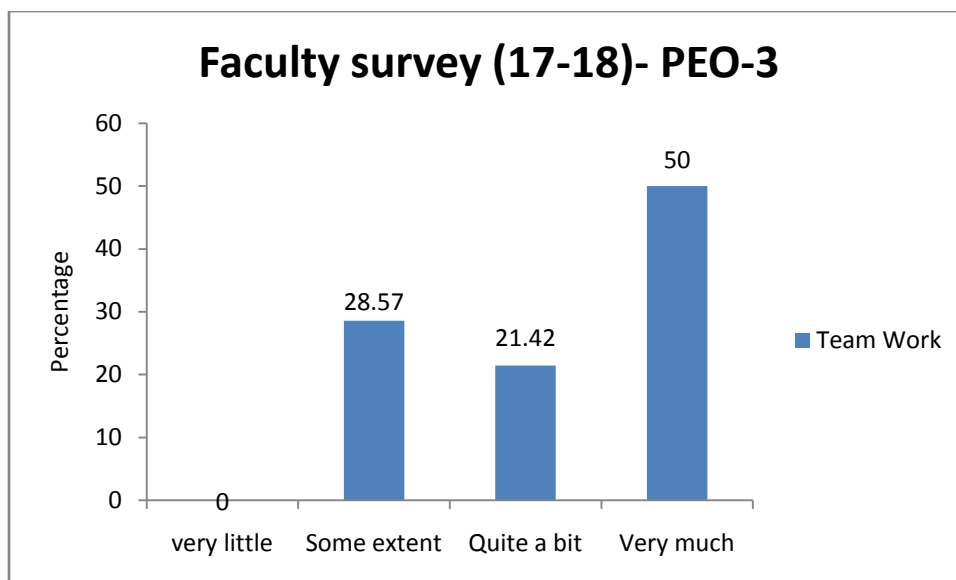
PEO 2:  $28.57 \times 4 + 64.28 \times 3 + 7 \times 2 + 0 \times 1 = 321.12/100 = 3.21 = 80.25\%$

PEO 3:  $50 \times 4 + 21.42 \times 3 + 28.57 \times 2 + 0 \times 1 = 321.4/100 = 3.21 = 80.35\%$

Average =  $3.28 = 82\%$  (N=20)

Total average:  $2.99 = 74.75\%$





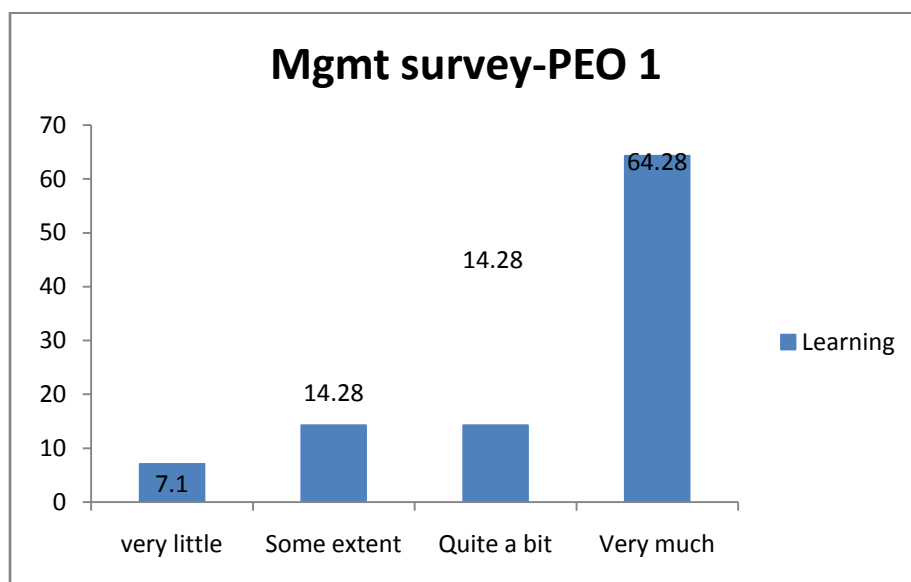
#### IV. Mapping through Management (N=15)

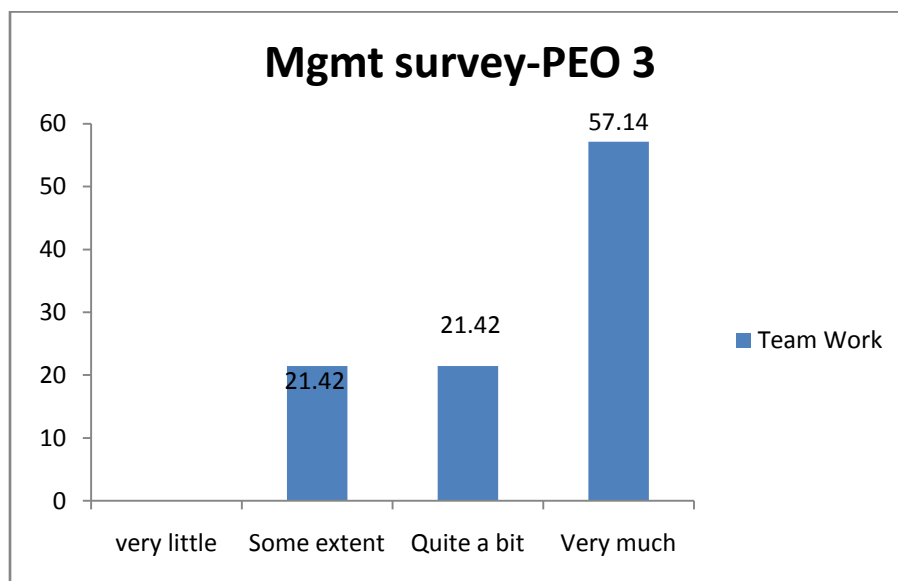
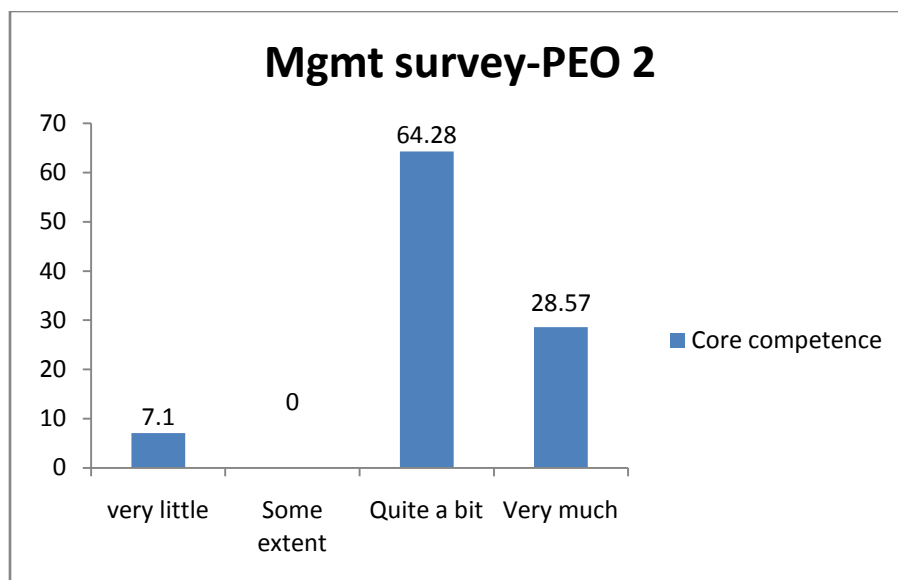
PEO 1:  $40 \times 4 + 46.66 \times 3 + 13.33 \times 2 + 0 \times 1 = 326.64/100 = 3.268 = 81.66\%$

PEO 2:  $26.66 \times 4 + 53.33 \times 3 + 13.33 \times 2 + 6.6 \times 1 = 299.89/100 = 2.99 = 74.97\%$

PEO 3:  $66.66 \times 4 + 26.66 \times 3 + 6.6 \times 2 + 0 \times 1 = 359.82/100 = 3.59 = 89.95\%$

Average =  $3.28 = 82.06\%$





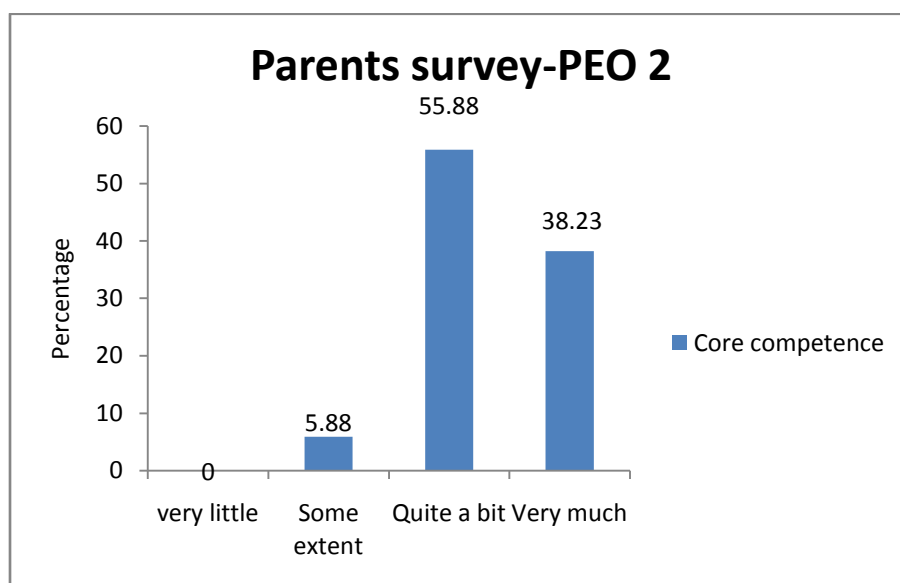
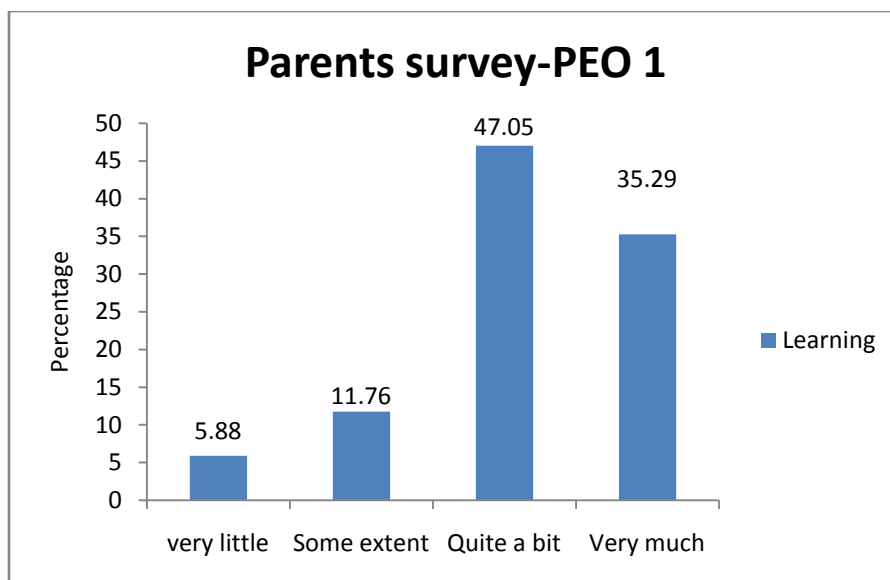
#### V. Mapping through Parents (N=34)

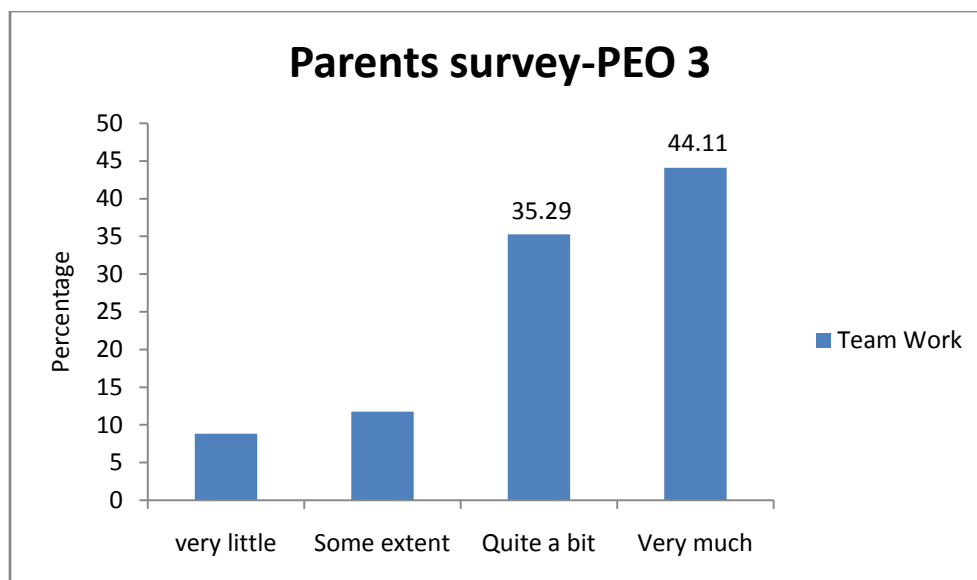
PEO 1:  $35.29 \times 4 + 47.05 \times 3 + 11.76 \times 2 + 5.88 \times 1 = 311.71/100 = 3.11 = 77.92\%$

PEO 2:  $38.23 \times 4 + 55.88 \times 3 + 5.88 \times 2 + 0 \times 1 = 332.32/100 = 3.32 = 83.08\%$

PEO 3:  $44.11 \times 4 + 35.29 \times 3 + 11.76 \times 2 + 8.82 \times 1 = 314.65/100 = 3.14 = 78.66\%$

Average =  $3.19 = 79.88\%$





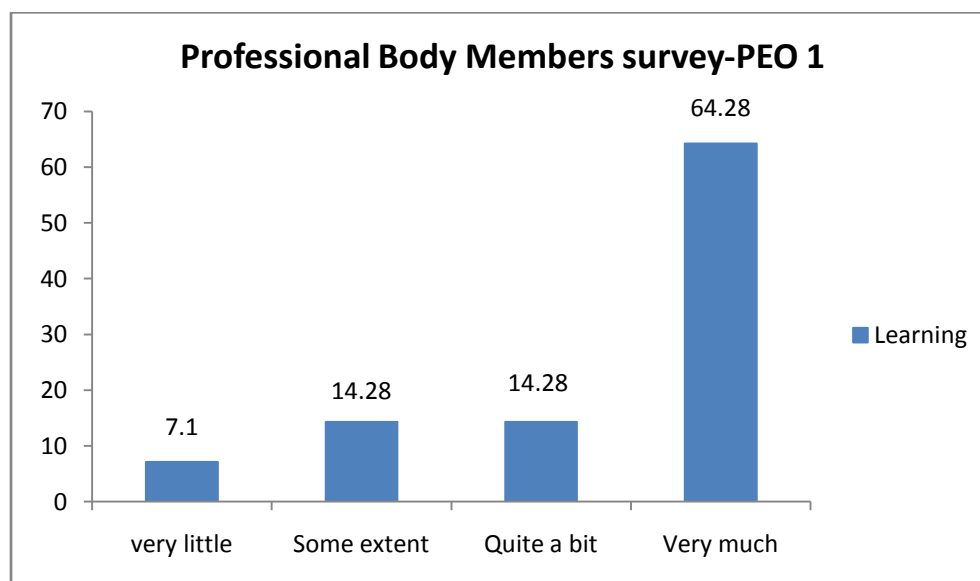
#### VI. Mapping through Professional Bodies (N=14)

PEO 1:  $64.28 \times 4 + 14.28 \times 3 + 14.28 \times 2 + 7.1 \times 1 = 335.62/100 = 3.35 = 83.90\%$

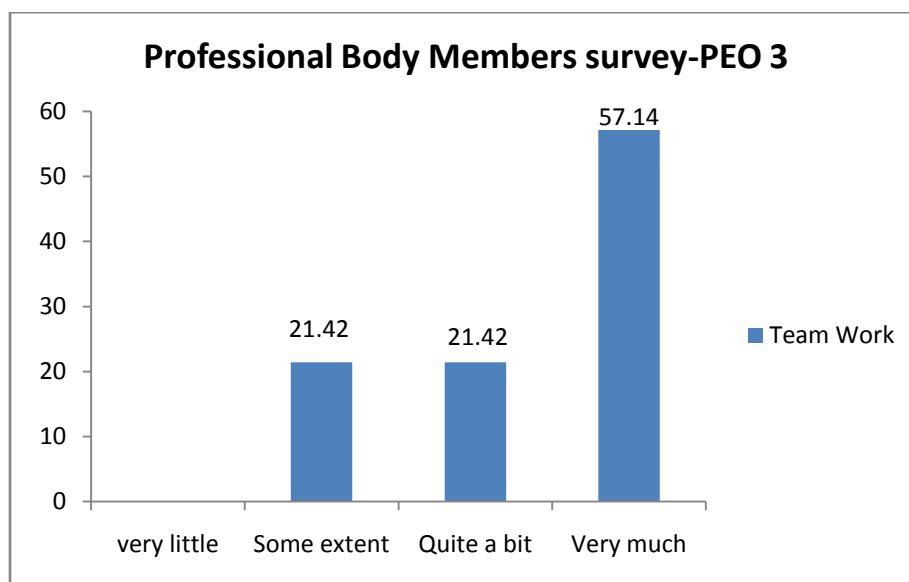
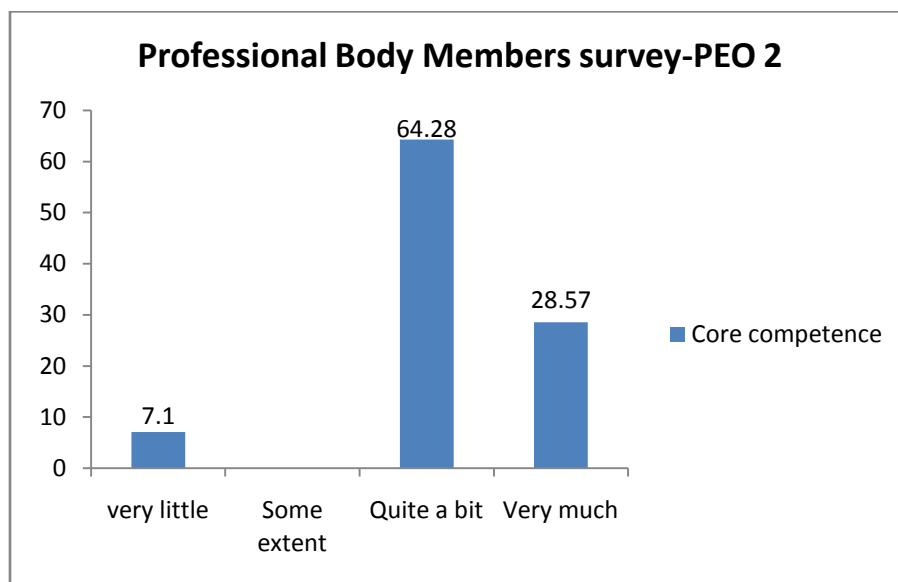
PEO 2:  $28.57 \times 4 + 64.28 \times 3 + 0 \times 2 + 7.1 \times 1 = 314.22/100 = 3.14 = 78.55\%$

PEO 3:  $57.14 \times 4 + 21.42 \times 3 + 21.42 \times 2 + 0 \times 1 = 335.66/100 = 3.35 = 83.91\%$

Average =  $3.28 = 82\%$







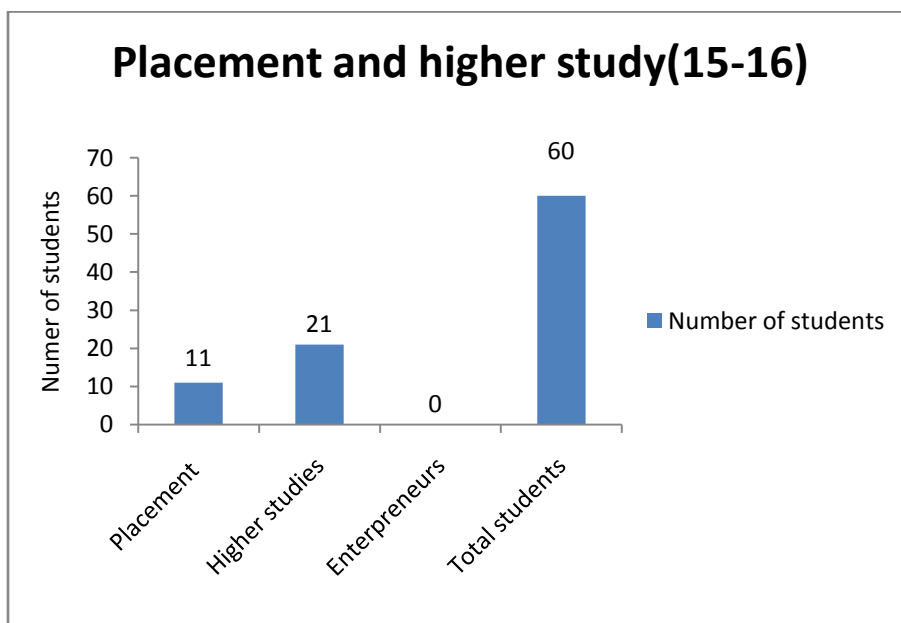
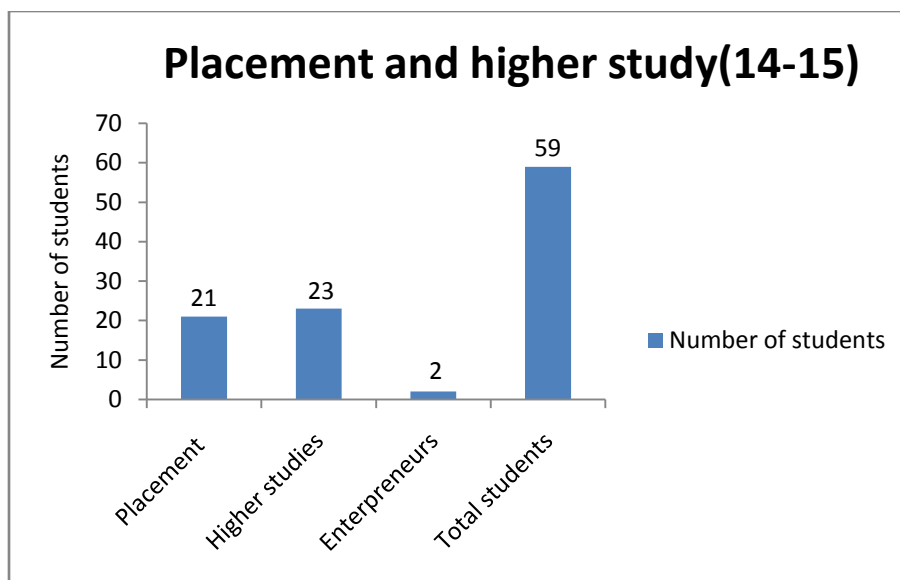
#### V. Mapping through Placement and higher study

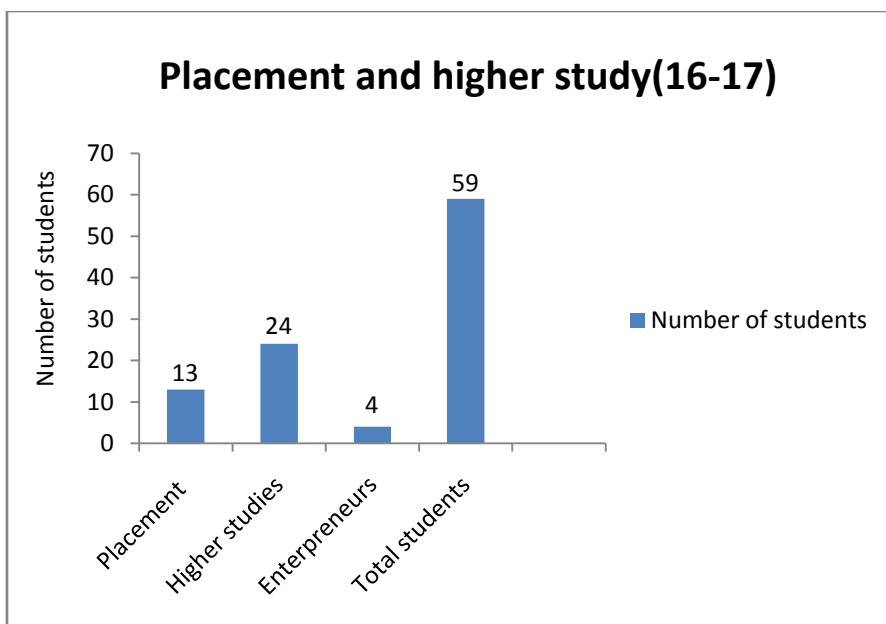
2014-15:  $0.7966 \times 4 = 3.16 = 79.66\%$

2015-16:  $0.5333 \times 4 = 2.12 = 53.33\%$

2016-17:  $0.6949 \times 4 = 2.76 = 69.49\%$

Average:  $2.68 = 67.49\%$





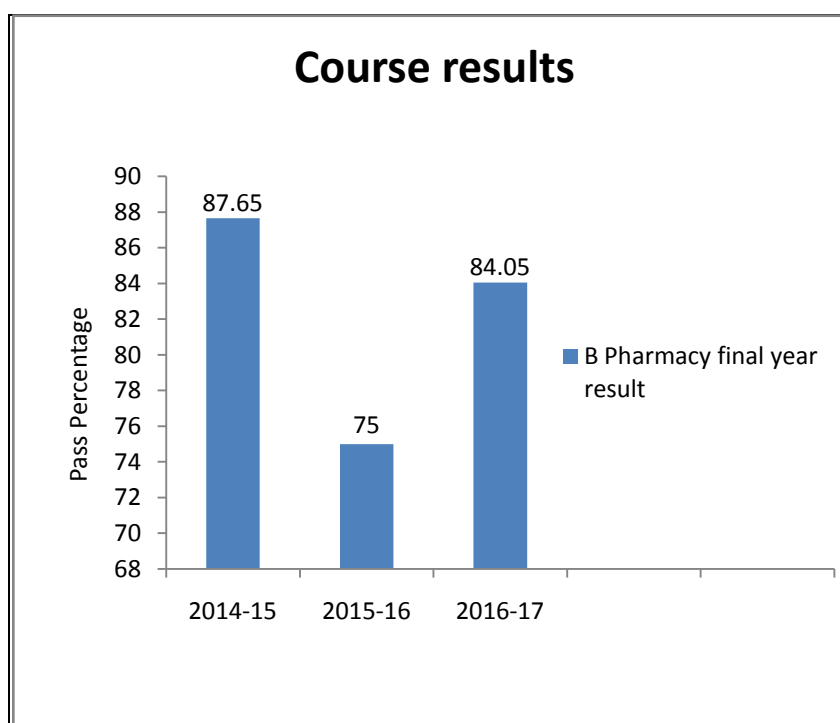
## VI. Mapping through Course results

2014-15: 87.65%

2015-16: 75.00%

2016-17: 84.05 %

Average : 3.28= 82.23%



**Observed values for PEOs for various surveys**

<b>SURVEY</b>	<b>PEO 1</b>	<b>PEO 2</b>	<b>PEO 3</b>	<b>Average</b>
Alumni	3.35	3.15	3.11	3.20
Employer	3.61	3.52	3.53	3.55
Faculty	3.15	2.96	2.87	2.99
Management	3.26	2.99	3.59	3.28
Professional Bodies	3.35	3.14	3.35	3.28
Parents	3.11	3.32	3.14	3.19
<b>Average</b>	3.30	3.18	3.26	

**Overall attainment**

Average mapping through Alumni survey: 3.20

Average mapping through Employer survey: 3.55

Average mapping through Faculty survey: 2.99

Average mapping through Management survey: 3.28

Average mapping through Professional Body survey: 3.28

Average mapping through Parents survey: 3.19

*Average mapping through higher studies and placement survey: 2.68*

*Average mapping through Course results: 3.28*

<b>Program Educational Objectives (PEOs)</b>	<b>Expected Level of Attainment</b>	<b>Observed Level of Attainment</b>
Learning	80%	3.30 (82.5%)
Core-competence	75%	3.18 (79.5%)
Team Work	75%	3.26 (81.5%)

<b>Sr.No</b>	<b>Assessment Parameters</b>	<b>Marks</b>	
		<b>Prescribed</b>	<b>Institute</b>
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	12
1.4	State the process for defining the Vision & Mission and PEOs of the program	10	10
1.5	Establish consistency of PEOs with Mission of the Institute	15	12
	<b>Total</b>	50	44

<b>CRITERION 2</b>	<b>Program Curriculum and Teaching –Learning Processes</b>	<b>150</b>
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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 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 marks - pattern for the evaluation and the award of degree to the students.

- For current academic year CAY (2017-18), F.Y.B.Pharm, S.Y.B.Pharm, T.Y.B.pharm courses were conducted as per 2015 pattern, while Final B.Pharm course was conducted as per 2013 pattern as per SPPU regulations.
- For CAYm1(2016-17), F.Y.B.Pharm and S.Y.B.Pharm courses were conducted as per 2015 pattern, while T.Y.B.pharm and Final B.Pharm courses were conducted as per 2013 pattern as per SPPU regulations.
- For CAYm2(2015-16), F.Y.B.Pharm course was conducted as per 2015 pattern, while, S.Y.B.Pharm, T.Y.B.pharm courses were conducted as per 2013 pattern and Final B.Pharm course was conducted as per 2008 pattern as per SPPU regulations.

**Content of the Syllabus-Subjects and modes of teaching (CAY)****F.Y.B.Pharm, S. Y. B.Pharm and T.Y. B.Pharm -2015 pattern**

Course code	Course Title	Total number of contact hours	Credits/Marks		
			Int.(40)	Ext(60)	Total(100)
1.1.1 T	Pharmaceutics- I	3	40	60	100
1.1.1 P	Pharmaceutics- I	3	40	60	100
1.1.2 T	Modern Dispensing Practices	3	40	60	100
1.1.2 P	Modern Dispensing Practices	3	40	60	100
1.1.3 T	Pharmaceutical Inorganic Chemistry	3	40	60	100
1.1.3 P	Pharmaceutical Inorganic Chemistry	3	40	60	100
1.1.4 T	Pharmaceutical Organic Chemistry-I	3	40	60	100
1.1.4 P	Pharmaceutical Organic Chemistry-I	3	40	60	100
1.1.5 T	Human Anatomy & Physiology-I	3	40	60	100
1.1.5 P	Human Anatomy & Physiology-I	3	40	60	100
1.1.6 T	Communication and soft skill development	3	40	60	100
1.2.1 T	Pharmaceutics- II	3	40	60	100
1.2.2 T	Dosage form design	3	40	60	100
1.2.2 P	Dosage form design	3	40	60	100
1.2.3 T	Pharmaceutical Organic Chemistry-II	3	40	60	100

1.2.3 P	Pharmaceutical Organic Chemistry-II	3	40	60	100
1.2.4 T	Human Anatomy & Physiology-II	3	40	60	100
1.2.4 P	Human Anatomy & Physiology-II	3	40	60	100
1.2.5 T	Pharmacognosy	3	40	60	100
1.2.5 P	Pharmacognosy	3	40	60	100
1.2.6 T	Pharmaceutical Analysis I	3	40	60	100
1.2.6 P	Pharmaceutical Analysis I	3	40	60	100
2.3.1T	Physical Pharmaceutics- I	3	40	60	100
2.3.1P	Physical Pharmaceutics- I	3	40	60	100
2.3.2T	Pharmaceutical Microbiology	3	40	60	100
2.3.2P	Pharmaceutical Microbiology	3	40	60	100
2.3.3 T	Pharmaceutical Biochemistry	3	40	60	100
2.3.3 P	Pharmaceutical Biochemistry	3	40	60	100
2.3.4 T	Pharmaceutical Organic Chemistry-III	3	40	60	100
2.3.4 P	Pharmaceutical Organic Chemistry-III	3	40	60	100
2.3.5 T	Pharmacology-I	3	40	60	100
2.3.6 T	Pharmacognosy & Phytochemistry - I	3	40	60	100
2.3.6 P	Pharmacognosy &	3	40	60	100



	Phytochemistry - I				
2.4.1 T	Physical Pharmaceutics-II	3	40	60	100
2.4.1 P	Physical Pharmaceutics-II	3	40	60	100
2.4.2 T	Pathophysiology & Clinical Biochemistry	3	40	60	100
2.4.2 P	Pathophysiology & Clinical Biochemistry	3	40	60	100
2.4.3 T	Pharmaceutical Organic Chemistry-IV	3	40	60	100
2.4.3 P	Pharmaceutical Organic Chemistry-IV	3	40	60	100
2.4.4 T	Pharmaceutical Analysis- II	3	40	60	100
2.4.4 P	Pharmaceutical Analysis- II	3	40	60	100
2.4.5 T	Pharmacognosy & Phytochemistry - II	3	40	60	100
2.4.5 P	Pharmacognosy & Phytochemistry - II	3	40	60	100
2.4.6 T	Pharmaceutical Engineering	3	40	60	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 & DisasterManagement	3	40	60	100
3.5.7 T	Active Pharmaceutical IngredientsTechnology	3	40	60	100
3.6.1 T	IndustrialPharmacy-II	3	40	60	100
3.6.1 P	IndustrialPharmacy-II	3	40	60	100
3.6.2 T	Pharmaceutical Analysis-IV	3	40	60	100
3.6.2 P	Pharmaceutical Analysis-IV	3	40	60	100
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 Product Chemistry	3	40	60	100
3.6.5 P	Natural Product Chemistry	3	40	60	100
3.6.6 T	Bioorganic Chemistry & Drug Design	3	40	60	100
3.6.7 T	Pharmaceutical Biotechnology	3	40	60	100

**Final Year B.Pharm 2013 Pattern**

Course code	Course Title	Total number of contact hours	Credits/Marks		
			Int.(40)	Ext(60)	Total(100)
4.7.1 T	Sterile Products	3	30	70	100
4.7.1 P	Sterile Products	3	30	70	100
4.7.2 T	Pharmaceutical Analysis-V	3	30	70	100
4.7.2 P	Pharmaceutical Analysis-V	3	30	70	100
4.7.3 T	Medicinal Chemistry-III	3	30	70	100
4.7.3 P	Medicinal Chemistry-III	3	30	70	100
4.7.4 T	Pharmacology-IV	3	30	70	100
4.7.4 P	Pharmacology-IV	3	30	70	100
4.7.5 T	Natural Drug Technology	3	30	70	100
4.7.5 P	Natural Drug Technology	3	30	70	100
4.7.6 T	Bio-pharmaceutics & Pharmacokinetics	3	30	70	100
4.7.7 T	Pharmaceutical Jurisprudence	3	30	70	100
4.8.1 T	Advanced Drug Delivery System	3	30	70	100
4.8.1 P	Advanced Drug Delivery System	3	30	70	100
4.8.2 T	Cosmetic science	3	30	70	100
4.8.2 P	Cosmetic science	3	30	70	100
4.8.3 T	Pharmaceutical Analysis-VI	3	30	70	100
4.8.3 P	Pharmaceutical Analysis-VI	3	30	70	100
4.8.4 T	Medicinal Chemistry-IV	3	30	70	100
4.8.4 P	Medicinal Chemistry-IV	3	30	70	100

4.8.5 T	Pharmacology-V(Including Biostatistics)	3	30	70	100
4.8.5 P	Pharmacology-V(Including Biostatistics)	3	30	70	100
4.8.6 T	Natural Products: Commerce, Industry & Regulations	3	30	70	100
4.8.7 T	Quality Assurance Tech.	3	30	70	100

**CAYm2: 2015-16 (Final Year B.Pharm 2008 Pattern)**

Course code	Course Title	Total number of contact hours	Credits/Marks		
			Int.(20)	Ext(80)	Total(100)
4.1 T	PharmaceuticsIII	3	30	70	100
4.1 P	PharmaceuticsIII	3	30	70	100
4.2 T	Biopharmaceutics & Pharmacokinetics	3	30	70	100
4.3 T	Medicinal Chemistry-II	3	30	70	100
4.3 P	Medicinal Chemistry-II	3	30	70	100
4.4 T	Pharmaceutical Analysis- III	3	30	70	100
4.4 P	Pharmaceutical Analysis- III	3	30	70	100
4.5 T	Pharmacology-III	3	30	70	100
4.5 P	Pharmacology-III	3	30	70	100
4.6 T	PharmacognosyIII	3	30	70	100
4.6 P	PharmacognosyIII	3	30	70	100
4.7 T	Pharmaceutical Jurisprudence	3	30	70	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.

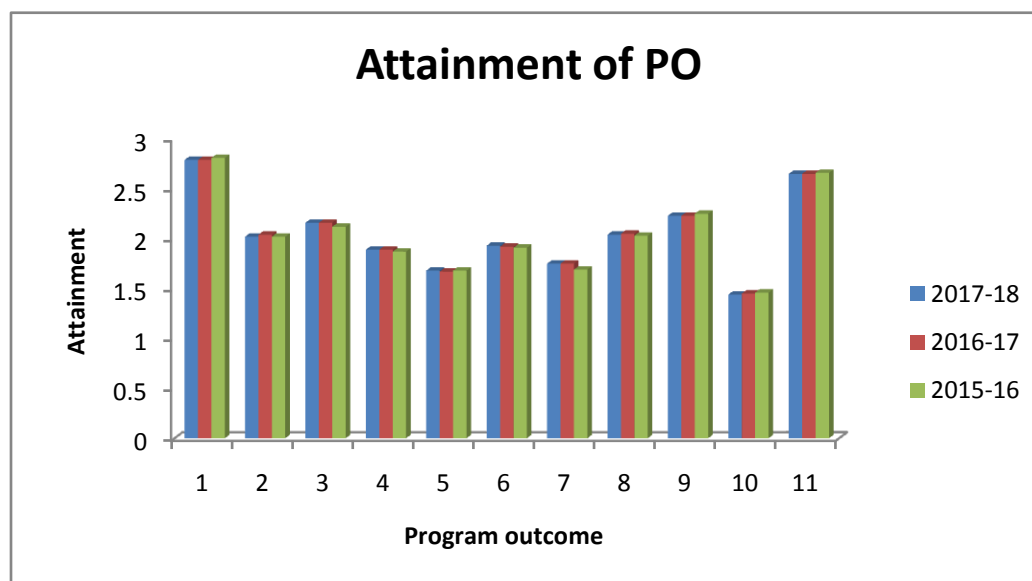
Course code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
111T	3	0.5	1.75	1.75	-	1.75	1.25	-	1.25	-	3
111P	3	1.75	1	1	-	0.75	0.75	-	1	0.50	3
112T	2.25	0.5	1.75	0.25	1.25	1.25	2.25	1	1.25	0.25	1
112P	2.5	0.75	1.75	1	1.25	1.25	1.5	0.75	1	0.25	2.25
113T	3	3	3	2.75	2	3	3	2.5	3	2.5	3
113P	3	3	3	2.5	2.25	3	3	2.75	3	2.5	3
114T	3	2	2	-	1	1	1	2	1	1	3
114P	3	2	2	-	1.5	1.5	1.5	2	1.25	1	3
115T	3	2	2	1.75	2	2.25	2.25	2.5	2.5	1.25	3
115P	3	2.25	2.25	1.75	2.5	2	2	2.75	2.75	1.5	3
116T	1	1.5	2.5	0.25	1	1.50	0.25	3	0.25	0.5	2
121T	3	1	1.25	1.25	-	1.00	0.75	-	0.50	0.50	3
122T	2.75	0.75	1.75	0.5	0.75	2.5	1.5	1.5	1	0.25	2.25
122P	2.75	2	1	1	1.5	1.75	1.5	0.75	0.75	0.25	1.5
123T	3	2	2	0.75	1	1	1	2	1.25	1.25	3
123P	3	2	2	-	2	1	2	2	1.25	1.25	3
124T	3	1	1	1	1	2	1	2	2	1.25	3
124P	3	2.25	1.75	1.75	2	2	2	2	2	1.25	3
125T	3	-	0.5	1.75	-	1.5	0.5	0.5	1.25	0.5	2.25
125P	3	2.5	1.75	2.25	2.5	2	2.5	2.75	2	2	2.75
126T	3	1.75	1.5	2	2.5	2.75	2	2.75	2.75	1	3
126P	3	3	3	2.25	2	2.75	3	2.75	3	2.75	3
231T	3	0.5	1.25	1.5	0.75	1.75	0.5	1	0.5	--	2
231P	3	1.75	1.5	1.75	1.5	0.75	0.25	1	0.5	0.5	1.5
232T	3	1.75	2.75	2.25	1.5	1.5	2.5	2	2	1.5	2.5
232P	3	1.75	2.75	2.25	1.5	1.5	2.5	2	2	1.5	2.5
233T	3	0.75	2.5	0.25	-	2.75	1.0	2.25	2.0	1.0	3
233P	3	3	2.5	0.25	1.25	2	2.5	2.25	1.5	1.5	3

234T	3	1.75	2.75	0.75	0.75	1.0	1.25	1.5	1.0	1.0	3
234P	3	2.75	3	0.75	1.75	1.5	2	2.25	1.5	0.5	3
235T	3	1.5	1.75	1.25	1	3	2	2	2	1	3
236T	3	2.5	2.25	2	1.25	3	2.25	2.75	2.75	2	3
236P	3	3	3	2.25	1.5	3	1.75	3	1.75	1.25	3
241T	3	0.75	2	--	0.75	--	--	--	--	1	2
241P	3	2.5	3	2	2	--	1	--	--	--	2
242T	3	1.75	1.5	1	1.5	2	2	3	2	2	3
242P	3	3	3	2.0	0.5	1.5	2	2.50	1.25	1.25	3
243T	3	3	2.75	2.75	2.25	2.75	2.5	2.75	3	2.5	3
243P	3	3	3	2.75	2	2.5	3	2.25	2.75	2.25	3
244T	3	2.25	2.25	2.5	2.5	2	2	2.75	1.75	1	3
244P	3	3	3	3	1.75	2	1.5	2	2	1.5	3
245T	3	2.5	2.5	2.5	2.25	2.5	2.25	2.5	2.5	1.75	3
245P	3	3	3	2.25	1.5	3	1.75	3	1.75	1.25	3
246T	3	1.75	2.75	2.25	1.5	1.5	2.5	2	2	1.5	2.5
351T	3	1.75	2	1.25		0.50	0.75		1.50		3
351P	3	1.75	1.25	1.25	-	1	1	-	1	1	3
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	2	2.5	2.25	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	3	3	3	3	2	3	2	2	2	3	3
355P	3	3	3	3	2.5	3	2.75	2.75	2.5	2.5	3
356T	1.75	2.5	0.75	2	2	1.8	2.25	2.5	1.25	1.25	3
357T	3	1.4	1.6	1.2	-	1.8	1	-	-	1	2
361T	3	1	2	2	-	1	0.50	-	0.50	0.50	3
361P	3	2	2	2	-	1.25	1.25	-	1	0.50	3

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	2.25	1.75	1.5	1.25	1.75	1.5	1.5	1.75	1	3
364P	3	1.25	1	2.75	1	1.5	1.75	1	1.5	1	3
365T	3	2.25	2.25	2.25	1.75	3	2.25	2.75	2.25	2.25	3
365P	3	3	3	3	2.75	3	2	3	1.5	1.75	3
366T	3	2.25	2.25	2	1	2	1	2	2.25	0.5	3
367T	3	2	2.5	2.75	1.75	2.5	3	2	3	2.25	2.75
471T	3	1	1.6	2.4	0.6	1.6	1	1.4	1.8	1.8	2.8
471P	3	1.8	1.8	1.8	1.8	1.6	1.2	1	1	1.4	1.8
472T	3	2	3	3	1	1	2	1	1	1	3
472P	2.5	1	2.5	2.5	1	1	1	2	2	1	3
473T	3	1.25	2.75	0.5	1.75	3	1.25	3	3	1.75	3
473P	3	3	3	1.75	1	1.5	2	2.50	1.25	1.75	3
474T	3	0.75	3	1.25	-	3	2	2	2	1	3
474P	3	2.25	2.75	1.5	1.5	2.25	1.75	1.75	2	1.25	3
475T	3	1.5	1.5	2.5	1	2	1.33	1.25	2.25	0.75	2.5
475P	3	1.75	1.5	2.5	-	2.25	1.33	-	1.5	-	2
476T	3	1.75	3	2	2	2	2.75	2	2	1	3
477T	3	2.5	2.25	1.5	2	2.25	2.5	2.25	2	1.75	1.5
481T	3	1.75	1.5	2.75	1.25	1.5	1.25	1	1.75	2	3
481P	3	2.75	2	2.25	1.25	1.5	1	1.75	0.5	1	2.75
482T	3	1.75	1.25	2	1.75	1.25	2	1.75	2.25	2.25	2.75
482P	3	2	1.5	2	1.75	1.75	2	2.5	2.5	2	3
483T	3	2	3	3	1	1	2	1	1	1	3
483P	2.5	1	2.5	2.5	1	1	1	2	2	1	3
484T	3	1.25	2.75	0.5	1.75	3	1.25	3	3	1.75	3
484P	3	3	3	1.75	1	1.5	2	2.50	1.25	1.75	3

485T	3	2.5	3	2	2.25	2.5	2.5	2.75	2.75	1.75	3
485P	3	2.5	3	1.5	2	2.5	2	1.75	1.5	0.25	3
486T	3	0.75	1	1.25	1.5	1.25	1	1.5	1	0	2.25
487T	3	2	2.5	2	1	1	1.5	1.75	1.25	1.25	1
<b>Direct</b>	<b>2.93</b>	<b>1.98</b>	<b>2.15</b>	<b>1.81</b>	<b>1.55</b>	<b>1.86</b>	<b>1.69</b>	<b>2.00</b>	<b>2.24</b>	<b>1.31</b>	<b>2.76</b>
<b>Indirect</b>	<b>2.33</b>	<b>2.33</b>	<b>2.33</b>	<b>2.33</b>	<b>2.33</b>	<b>2.33</b>	<b>2.33</b>	<b>2.0</b>	<b>2.33</b>	<b>2.0</b>	<b>2.33</b>
<b>80% of Direct</b>	<b>2.35</b>	<b>1.58</b>	<b>1.72</b>	<b>1.45</b>	<b>1.24</b>	<b>1.49</b>	<b>1.35</b>	<b>1.60</b>	<b>1.79</b>	<b>1.04</b>	<b>2.21</b>
<b>20% of Indirect</b>	<b>0.47</b>	<b>0.47</b>	<b>0.47</b>	<b>0.47</b>	<b>0.47</b>	<b>0.47</b>	<b>0.47</b>	<b>0.4</b>	<b>0.47</b>	<b>0.4</b>	<b>0.44</b>
<b>Total</b>	<b>2.79</b>	<b>2.02</b>	<b>2.16</b>	<b>1.89</b>	<b>1.68</b>	<b>1.93</b>	<b>1.75</b>	<b>2.04</b>	<b>2.23</b>	<b>1.44</b>	<b>2.65</b>

**Graph representing Program outcomes vs attainment**



Maximum level is attained by PO1 and PO11 (Pharmacy Knowledge and Life long learning), minimum level is attained by PO5 (Leadership skills), 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 are 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.
- 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 to identify gap (For eg. Communication skills/ Facing Interviews skills to be enhanced amongst students ; exposure to industrial environment ).

### CAY 2017-18

Sr.No.	Gap	Action taken	Date-Month-Year	Resource person with designation	No. of students present	Relevance to PO
1	Applications of Nanotechnology	Arranged guest lecture	17/07/17	Balaji Sitaraman Stony Brook Univ. Newyork	86 <b>3.5.1T</b>	4,11
2	Awareness of osteoporosis in Society	Arranged guest lecture	05/08/17	Dr. Vijay Kakatkar MD MS Orthopedic	66 <b>4.7.4 T</b>	9,11
3	Applications of DSC and GC	Arranged guest lecture	20/09/17	R.Girijan Toshvin Analytical Pvt.Ltd,Mumbai	58 <b>3.5.7 T</b>	1,4

4	Practical Application of Unit Processes	Arranged guest lecture	30/09/17	Mr. Anil Choudhari Ex CEO VSCL, Nasik	56 <b>3.5.7 T</b>	1,4,11
5	Application of concept of isoelectric P <sup>H</sup> of proteins	Conducted practical Isolation of Casein from Milk	01/11/17, 02/11/17, 03/11/17	Mrs. S.A. Katti Students performed the practical	57 <b>2.3.3P</b>	1,2,3,10, 11
6	Lifestyle modifications to prevent cardiovascular diseases.	Attended public symposium organized by Magnum Heart Institute, Nashik.	04/11/17	Psychologist & cardiologists	55 <b>1.1.5T</b>	1,2,3,4,5,6,7, 8,9,10,11
7	Blood, its composition, separation and importance of components of blood.	Arranged visit to blood bank	A- 07/11/17 B- 08/11/17 C- 11/11/17	Experts from Arpan Laboratories explained about Apheresis, separation, storage, Thalassemia and challenges	A-19 B-19 C-20 <b>1.1.6 T</b>	1,2,3,5
8	Hospital organization & management.	Arranged Guest lecture	17/11/17	Mr. Sachin Parekh Manager, Sales & Marketing, Apollo Hospital.	55 <b>1.2.1T</b>	1,2,3,4,5,6,7, 8,9,10,11

				Mumbai		
9	Role of Computational Chemistry in Drug Discovery	Arranged Guest lecture	18/01/18	Dr. Choong Yee Siew University Sains Malaysia, Malaysia Dr Lydia Rhyman University of Mauritius, Mauritius	63 <b>3.6.6 T</b>	1,3,4,6,11
10	Packaging techniques of pharmaceutical products	Industrial visit to Reve Pharma & Anmol Packagers was arranged	15/2/18	Mr.Anmol Tiwari	54 <b>1.2.3P</b>	4,5
11	Working of Drug Design Software	Computer Aided Drug Design Workshop & training on Vlife MDS Drug Design Software	15/02/18	Dr. Sami Mukhopadhyay, Vlife Sciences Technologies Pvt Ltd	63 <b>3.6.6T</b>	1,2,3,4,6, 11
12	Concept of hospital organization and hospital pharmacy.	Arranged Visit to Dr. Vasant Rao Pawar Medical College and Hospital	16/03/18	Mrs. S.H.Pawar & Students visited OPD and IPD sections, Hospital	55 <b>2.4.2 T</b>	1,2,5,6,7,10

				Pharmacy, central drug store,		
13	Determination of hardness of water	Conducted Practical	06/04/18 & 04/04/18	Mrs.S.D.Pawar Students performed the practical	A=18, B=18 C=18 <b>2.3.4P</b>	1,2,3,4,9,10, 11
14	Current market status of crude drugs.	Conducted Study on Marketed formulation of drugs from syllabus	11/04/18	Mrs. D.L. Attarde	34 <b>2.4.5T</b>	9,5,6,10

**CAY m1 2016-17**

<b>Sr.No</b>	<b>Gap</b>	<b>Action taken</b>	<b>Date- Month- Year</b>	<b>Resource person with designation</b>	<b>No. of students present</b>	<b>Relevance to PO</b>
<b>1</b>	Importance of Yoga for psychosomatic disorders	Arranged guest lecture on Importance of Yoga	21/06/16	Mr.Subhash Upadhye, Retd Geological Scientist, Savarkar Nagar, Gangapur Road, Nashik	72	1,2,3,6,8,9,1 0,11
<b>2</b>	Significance of balanced food.	Arranged guest lecture on Importance of Healthy Diet for Adults	08/09/16	Ms.Teashree U. Jare, Apollo Hospital, Nashik.	79	1,2,3,6,8,9,1 0,11

3	Implication of endocrine disorders and its reversal.	Arranged guest lecture On Reversal of Metabolic Disorders	17/09/16	Dr.Pranav Shimpi,MS Cardio.Univ. of Chester UK Rehab Lab Nashik.	108	1,2,3,6,7,8,9,10,11
4	Pharmacist role in Healthcare System	Arranged guest lecture on Pharmacist role in Healthcare System	27/09/16	Mr.Uday Tewary Corporate Health Care Alliance, Mumbai	93	1,2,3,5,6,7,8,9,11
5	Entrepreneurship skills	Arranged guest lecture on Our Contribution for Empowerment of India	29/09/16	Mr. Manoj Jangada, Founder President, Kartavya Social initiatives, Mumbai.	170	2,3,5,6,7,8,9,10,11
6	Carreer options for pharmacy students	Arranged guest lecture	08/02/17	Prof. Ganesh Teltumbade, Dr.Rupali Khaire	32	5,9,11
7	Gene therapy and tissue engineering	Arranged guest lecture on 'Recent updates in Gene therapy and tissue engineering'	07/03/17	Dr. Meenakshi Shreeram	45	1,4,11
8	Applications of X-Ray techniques	Arranged Guest lectureon 'Current Application	29/04/17	Dr. S. G. Wakchaure P. V. G. College of Enginnering,	36	3,4,11

		s of X-Ray techniques,		Nasik		
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**CAY m1 2015-16**

<b>Sr.No</b>	<b>Gap</b>	<b>Action taken</b>	<b>Date-Month-Year</b>	<b>Resource person with designation</b>	<b>No. of students present</b>	<b>Relevance to PO</b>
1	Bridging the gap between Industry and academia Part-I	Arranged Guest lecture	31/07/15	Mr.Milind Jadhav General Manager Turbhe Chemicals Pvt Ltd,Turbhe,Mumbai	125	1,2,3,4,6,7,9,10,11
2	Extraction, isolation and characterisation of markers from Important herbal plants used in single and polyherbal formulation	Arranged Guest lecture	14/08/15	Dr.K.A.Suri Director grade assistant Indian Institute of Integrative Medicine(IIIM) Formerly Regional Research Laboratory(RRL),Cannal Road,Jammu India	117	1,2,3,4,6,7,9,10,11
3	Basics and development in Experimental Pharmacology	Arranged Guest lecture	17/08/15	Prin. Prof. R. Y. Patil Director Board of college and university development,	77	1,2,3,4,6,7,9,10,11

				Solapur University, Solapur Principal D.S.T.S. Mandal's College of Pharmacy, Solapur		
4	Structure elucidation and spectroscopy	Arranged Guest lecture	29/09/15	Dr. Rajendra S. Marathe Professor, Government College of Pharmacy, Aurangabad	52	1,2,3,4,6,7,8,11
5	Active Pharmaceutical Ingredients Technology Bridging the gap between Industry and academia Part -II	Arranged Guest lecture on Bridging the gap between Industry and academia	02/10/15 & 03/10/15	Mr. Milind Jadhav Turbhe Chemicals Pvt Ltd, Turbhe, Mumbai	111 & 74	1,2,3,4,6,7,9,10,11
6	Personality Development	Arranged Guest lecture on Personality Development	02/01/16	Dr. P.V. Rasal Co-ordinator SPPU Pune	73	1,2,3,5,6,7,8,9,11
7	Road, Safety Time for action	Arranged Guest lecture	14/01/16	Hanumantrao Gade Police Inspector- Traffic Nasik City Canada	113	2,3,8,9,11

				Corner		
8	PCOS Education: For adolescent girls	Arranged Guest lecture	08/03/16	Dr. Narhari Malgaonkar MD,DNB Dr.Sonali Malgaonkar MS Progenesis Fertility Centre,Nasik	56	1,3,6,8,9,11

**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).

### 2.1.3. 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(2017-18)

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	19/06/2017	01/08/2017	23/09/2017 to 29/09/2017	23/09/2017 to 29/09/2017	03/10/2017 to 10/10/2017	03/10/2017 to 10/10/2017	01/12/2017 to 30/12/2017	21/11/2017 to 06/01/2018



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First Year B. Pharm, Sem II	21/12/2017	08/01/2018 *	20/03/2018 to 26/03/2018	20/03/2018 to 26/03/2018	27/03/2018 to 06/04/2018	27/03/2018 to 06/04/2018	11/04/2018 to 29/04/2018	24/04/2018 to 01/06/2018
Second Year B. Pharm, Sem III	19/06/2017	19/06/2017	23/09/2017 to 29/09/2017	23/09/2017 to 29/09/2017	03/10/2017 to 10/10/2017	03/10/2017 to 10/10/2017	01/12/2017 to 30/12/2017	21/11/2017 to 06/01/2018
Second Year B. Pharm, Sem IV	21/12/2017	08/01/2018 *	20/03/2018 to 26/03/2018	20/03/2018 to 26/03/2018	27/03/2018 to 06/04/2018	27/03/2018 to 06/04/2018	11/04/2018 to 29/04/2018	24/04/2018 to 01/06/2018
Third Year B. Pharm, Sem V	19/06/2017	19/06/2017	23/09/2017 to 29/09/2017	23/09/2017 to 29/09/2017	03/10/2017 to 10/10/2017	03/10/2017 to 10/10/2017	01/12/2017 to 30/12/2017	21/11/2017 to 06/01/2018
Third Year B. Pharm, Sem VI	21/12/2017	08/01/2018 *	20/03/18 to 26/03/2018	20/03/18 to 26/03/2018	27/03/2018 to 06/04/2018	27/03/2018 to 06/04/2018	11/04/2018 to 29/04/2018	24/04/2018 to 01/06/2018
Final Year B. Pharm, Sem VII	19/06/2017	19/06/2017	23/09/2017 to 29/09/2017	23/09/2017 to 29/09/2017	03/10/2017 to 10/10/2017	03/10/2017 (Ist) 08/11/2017 (IInd)	01/12/2017 to 30/12/2017	21/11/2017 to 06/01/2018
Final Year B. Pharm, Sem VIII	21/12/2017	08/01/2018 *	20/03/18 to 26/03/2018	20/03/18 to 26/03/2018	27/03/2018 to 06/04/2018	27/03/2018 to 06/04/2018	11/04/2018 to 29/04/2018	24/04/2018 to 01/06/2018

**Note:- Beginning of Actual Even semesters, marked as \* , not started as per university schedule as examination schedule for practical examination was extended by University in the previous semester.**

Event	Proposed	Actual
<b><i>Extracurricular Events:</i></b> Induction Program for First Year B.Pharm Ganpathi Celebrations Freshers Party NPW- Event Annual Gathering	August 2017 August 2017 September 2017 January 2018 February 2018	26th August 2017 25 <sup>th</sup> August 2017 13 <sup>th</sup> September 2017 January 2018 March 2018
<b><i>Co-curricular Events:</i></b> Guest Lectures/ Industrial and Hospital Visits SPPU sponsored seminars	Throughout the academic year Oct-2017/ Jan 2018	Throughout the academic year Oct 2017/ Jan 2018

#### Academic Calendar- CAYm1 (2016-17)

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	20/06/2016	01/08/2016	19/10/2016 to 25/10/2016	19/10/2016 to 25/10/2016	03/10/2016 (Ist) 07/11/2016 (IInd)	03/10/2016 (Ist) 07/11/2016 (IInd)	26/12/2016 to 02/01/2017	22/11/2016 to 27/12/2016
First Year B. Pharm, Sem II	21/12/2016	02/01/2017 *	20/03/2017 to 25/03/2017	20/03/2017 to 25/03/2017	27/03/2017 to 03/04/2017	27/03/2017 to 03/04/2017	15/04/2017 to 26/04/2017	25/04/2017 to 02/06/2017
Second Year B. Pharm, Sem III	20/06/2016	20/06/2016	19/10/2016 to 25/10/2016	19/10/2016 to 25/10/2016	03/10/2016 (Ist) 07/11/2016 (IInd)	03/10/2016 (Ist) 07/11/2016 (IInd)	26/12/2016 to 02/01/2017	22/11/2016 to 27/12/2016

Second Year B. Pharm, Sem IV	21/12/2016	02/01/2017 *	20/03/2017 to 25/03/2017	20/03/2017 to 25/03/2017	27/03/2017 to 03/04/2017	27/03/2017 to 03/04/2017	15/04/2017 to 26/04/2017	25/04/2017 to 02/06/2017
Third Year B. Pharm, Sem V	20/06/2016	20/06/2016	19/10/2016 to 25/10/2016	19/10/2016 to 25/10/2016	03/10/2016 (Ist) 07/11/2016 (IInd)	03/10/2016 (Ist) 07/11/2016 (IInd)	26/12/2016 to 02/01/2017	22/11/2016 to 27/12/2016
Third Year B. Pharm, Sem VI	21/12/2016	02/01/2017 *	20/03/2017 to 25/03/2017	20/03/2017 to 25/03/2017	27/03/2017 to 03/04/2017	27/03/2017 to 03/04/2017	15/04/2017 to 26/04/2017	25/04/2017 to 02/06/2017
Final Year B. Pharm, Sem VII	20/06/2016	20/06/2016	19/10/2016 to 25/10/2016	19/10/2016 to 25/10/2016	03/10/2016 (Ist) 07/11/2016 (IInd)	03/10/2016 (Ist) 07/11/2016 (IInd)	26/12/2016 to 02/01/2017	22/11/2016 to 27/12/2016
Final Year B. Pharm, Sem VIII	21/12/2016	02/01/2017 *	20/03/2017 to 25/03/2017	20/03/2017 to 25/03/2017	27/03/2017 to 03/04/2017	27/03/2017 to 03/04/2017	15/04/2017 to 26/04/2017	25/04/2017 to 02/06/2017

Event	Proposed	Actual
<b><i>Extracurricular Events:</i></b> Induction Program for First Year B.Pharm Ganpathi Celebrations Freshers Party NPW- Event Annual Gathering-MGV Mahotsav	August 2016 September 2016 September 2016 December 2016 January 2017	1 <sup>st</sup> August 2016 5 <sup>th</sup> September 2016 6 <sup>th</sup> September 2016 January 2017 January 2017
<b><i>Co-curricular Events:</i></b> Guest Lectures SPPU sponsored seminars	Throughout the academic year October 2016/January 2017	Throughout the academic year October 2016/January 2017

**Academic Calendar-CA Ym2 (2015-16)**

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	23/06/2015	19/07/2015	15/10/2015 to 21/10/2015	15/10/2015 to 21/10/2015	07/10/2015 (Ist) 28/10/2015 (IInd)	07/10/2015 (Ist) 28/10/2015 (IInd)	18/12/2015 to 14/01/2016	17/11/2015 to 31/12/2015
First Year B. Pharm, Sem II	21/12/2015	18/01/2016 *	28/03/2016 to 04/04/2016	28/03/2016 to 04/04/2016	16/03/2016 (Ist) 06/04/2016 (IInd)	16/03/2016 (Ist) 06/04/2016 (IInd)	13/04/2016 to 26/04/2016	20/04/2016 to 31/05/2016
Second Year B. Pharm, Sem III	23/06/2015	22/06/2015	15/10/2015 to 21/10/2015	15/10/2015 to 21/10/2015	07/10/2015 (Ist) 28/10/2015 (Ist)	07/10/2015 (Ist) 28/10/2015 (Ist)	18/12/2015 to 14/01/2016	17/11/2015 to 31/12/2015
Second Year B. Pharm, Sem IV	21/12/2015	18/01/2016 *	28/03/2016 to 04/04/2016	28/03/2016 to 04/04/2016	16/03/2016 (Ist) 06/04/2016 (IInd)	16/03/2016 (Ist) 06/04/2016 (IInd)	13/04/2016 to 26/04/2016	20/04/2016 to 31/05/2016
Third Year B. Pharm, Sem V	23/06/2015	22/06/2015	15/10/2015 to 21/10/2015	15/10/2015 to 21/10/2015	07/10/2015 (Ist) 28/10/2015 (IInd)	07/10/2015 (Ist) 28/10/2015 (IInd)	18/12/2015 to 14/01/2016	17/11/2015 to 31/12/2015
Third Year B. Pharm, Sem VI	21/12/2015	18/01/2016 *	28/03/2016 to 04/04/2016	28/03/2016 to 04/04/2016	16/03/2016 (Ist) 06/04/2016 (IInd)	16/03/2016 (Ist) 06/04/2016 (IInd)	13/04/2016 to 26/04/2016	20/04/2016 to 31/05/2016
Final Year B.	23/06/2015	22/06/2015	15/10/2015 to 21/10/2015	15/10/2015 to 21/10/2015	07/10/2015 (Ist) 14/12/2015	07/10/2015 (Ist) 14/12/2015	13/04/2016 to 26/04/2016	20/04/2016 to

Pharm			(Ist) 07/12/2015 to 12/12/2015 (IIInd) 28/03/2016 to 04/04/2016 (IIIrd)	(Ist) 07/12/2015 to 12/12/2015 (IIInd) 28/03/2016 to 04/04/2016 (IIIrd)	(IIInd) 16/03/2015 (IIIrd)	(IIInd) 16/03/2015 (IIIrd)		31/05/2016
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Event	Proposed	Actual
<b><i>Extracurricular Events:</i></b> Induction Program for First Year B.Pharm Freshers Party Ganpathi Celebrations NPW- Event Annual Gathering and Sports	August 2015 August 2015 September 2015 December 2015 January 2016	25 <sup>th</sup> August 2015 17 <sup>th</sup> September 2015 January 2016 30 <sup>th</sup> January-8 <sup>th</sup> Feb 2016
<b><i>Co-curricular Events:</i></b> World Pharmacist Day celebration Guest Lectures Avishkar SPPU sponsored seminar	September 2015 Throughout the academic year October 2015 January 2016	25 <sup>th</sup> September 2015 Throughout the academic year 5 <sup>th</sup> October 2015 28-29 <sup>th</sup> January 2016

## 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 Vidyamanidir'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:

- Multimedia elements such as Power Point presentation, videos, animations, online tests have been widely used.
- Other practices such as demonstration using models, charts, flash cards, botanical cards, flow charts, live specimens, using simulation models, innovative visual aids, innovative journal covers 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. Some of these techniques involve preparation visual aids (safety), At a glance (Pharmacognosy), survey of Hospitals/hospital department (specialist) etc. as per Savitribai Phule Pune University Syllabus.
- 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. 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 in-charges, class teachers and mentors. They discuss on studying tips, self-motivation, and dedication to encourage them to improve performance thus creating an ambience to feel free approach with faculty to solve any doubts at any time.
- Based on their performance in academic year (CGPA) bright students are ranked as first, second and third for each study 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 given letter of appreciation from Principal, and also felicitated in Annual Gathering. Students showing an aptitude for specific subject are encouraged to prepare projects and present those projects in University level Research Competitions Avishkar, or seminars conferences conducted within College or outside College. They are motivated to participate in scientific model making competition, drawing of scientific Rangoli, oral presentation of research papers conducted during National Pharmacy Week.

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 evaluate the affective domain, cognitive and psychomotor skills of individual students. Regular feedback is collected from the students at the end of each semester

about the delivery of teaching. 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)*

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 =  $3 \times 2$  Marks=6 Marks,

Q:2. Attempt Two out of Three =  $2 \times 4$  Marks=8 Marks,

Q:3. Attempt One out of Two=  $1 \times 6$  Marks=6 marks..... Total marks = 20

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

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=06

Q:2 Experiments=10

Q:3 Journal=04

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

As per the SPPU syllabus (**2013 pattern**), the percentage of marks for Semester and Internal examination is 70% and 30% respectively. For internal 30 marks theory Sessional examination is conducted for 30 marks, the pattern for sessional question paper as per guidelines of SPPU is as follows.

Q:1 Attempt Five out of seven =  $5 \times 2$  Marks=10 Marks,

Q:2. Attempt Two out of Three =  $5 \times 2$  Marks=10 Marks,

Q:3. Attempt One out of Two=  $10 \times 1$  Marks=10 marks..... Total marks = 30

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

For internal 30 marks Practical , Practical sessional examination is conducted for 30 marks , the pattern for sessional practical examination as per guidelines of SPPU is as follows.

For Practical

Q:1 Synopsis and viva=09

Q:2 Experiments=15

Q:3 Lab record and attendance=06

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

As per the SPPU syllabus (**2008 pattern**), the percentage of marks for Semester and Internal examination is 80% and 20% respectively. For internal 20 marks theory Sessional examination is conducted for 20 marks , the pattern for sessional question paper as per guidelines of SPPU is as follows.

Q:1. Attempt Five out of seven = 5x 1 Marks=05 Marks,

Q:2. Attempt Two out of Three = 2x 2.5 Marks=05 Marks,

Q:3. Attempt One out of Two= 10x 1 Marks=10 marks..... Total marks = 20

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

For internal 20 marks Practical , 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=5

Q:2 Experiments=10

Q:3 Viva voce=3

Q:4 Journal=2

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

Pattern	University		Sessional	
	Theory	Practical	Theory	Practical
2008	80 mks	80 mks	20 mks	20 mks
	Long answer questions Short answer	Synopsis-10 mks Major Expt- 40 mks	Short answer questions-10 mks Long answer question-	Synopsis-05 mks Expt- 10 mks



	questions	Minor Expt-20 mks Viva-10 mks	10 mks	Viva- 03 mks Journal- 02 mks
2013	70 mks	70 mks	30 mks	30 mks
	Long answer questions Short answer questions	Synopsis-10 mks Major Expt- 30 mks Minor Expt-20 mks Viva-10 mks	Very Short answer questions-10 mks Short answer questions-10 mks Long answer questions-10 mks	Synopsis& viva-09 Experiments-15 Labrecord& attendance-06
2015 pattern	60 mks	60 mks	40 mks	40 mks
	Long answer questions Short answer questions	Synopsis-10 mks Major Expt- 25 mks Minor Expt-15 mks Viva -10 mks	Assignment-10 mks MCQ-10 mks Very Short answer questions-06 mks Short answer questions-08 mks Long answer questions-06 mks	Assignment-10 mks Synopsis& Viva-06 mks Expt- 10 mks Journal- 04 mks Continuous assessment-10 mks

### **The Process of setting the Internal sessional paper and compliance:**

- An internal meeting of student council members with class teacher, CEO and Principal is conducted before the internal exam for confirming the syllabus completion.
- The subject incharge then 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 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.

### 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)*

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

Type of projects	Number of projects in CAY /CAYm1/ CAY m2	Impact Analysis	Relevance to PO
<b>Environmental projects:</b> Students of S.Y.B.Pharm were assigned review based projects for the subject Environmental Sciences as per the syllabus of SPPU. The projects were evaluate by subject incharge..	58/66/71	The students have learnt that by enabling the preservation of natural resources and the defence of environment by introducing an environment variable leads to an era of sustainable development.	1,2,10
<b>NPW projects/ Research projects in seminars and conferences</b> held inhouse and outside institutes: Interested students were assisted by staff for preparation and presentation of project work.	04/03/02	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.	2,3,5,6,8

**PUBLICATIONS FROM STUDENTS PROJECTS**

<b>Name of authors</b>	<b>Title</b>	<b>Journal</b>	<b>Volume</b>	<b>Year</b>
A.P.Bhosle, <b>Akshay Patil</b> , <b>Mandeep Swami</b>	Herbosomes as a novel drug delivery system for absorption enhancement	World Journal of Pharmacy and Pharmaceutical Sciences	5(1), 345-355	2015
S.A. Katti, <b>Luketa Alai</b> , <b>Rasika Mahale</b>	Synthesis, Molecular docking and evaluation of antifungal activity of some benzyl benzimidazole derivatives.	Der Pharma Chemica 5-413X	8(4),425-433	2016
Mahalaxmi Mohan, Hemant Vanjari, <b>Shrey Srivastava</b> .	Effect of Methanolic extract of Solanum torvum on pA2 value of atropine by using Acetylcholine as agonist on rat ileum tissue preparation.	Inventi Rapid: Ethnopharmacology	(4), 1-4.	2018

**CAY-2017-18**

- Students of S.Y.B.Pharm were assigned review based projects for the subject Environmental Sciences as per the syllabus of SPPU

<b>Roll. No.</b>	<b>Name of Student</b>	<b>Title of Project</b>
1.	Ahire Ashvini Shantaram	Effect of aerosols on environment
2.	Bachhav Harshada Rajendra	Effect of acid rain on soil fertility
3.	Bakare Nikita Anil	Industrial waste management
4.	Basare Ankush Nagnath	Bending of water
5.	Bhadane Roshani Giridhar	Effect of aerosols on environment
6.	Bhamare Kuldip Bhausaheb	Effect of acid rain on soil fertility
7.	Bhoir Anjali Prabhakar	Industrial waste management
8.	Birhade Priyanka Kailas	Bending of water

9.	Chaturvedi Abhilasha Ashok	Depletion of Ozone layer
10.	Choudhari Nakshatra Sharad	Biodiversity
11.	Chumbale Aishwarya Ramesh	Ozone layer depletion-causes and effects
12.	Deore Dhanashri Subhash	Biodegradable waste
13.	Deshpande Mrudul Rajeev	Radioactive waste management
14.	Dhage Pooja Gulabrao	Reuse, Recycle and waste management
15.	Dumbare Arti Shravan	Dead zone
16.	Gaikwad Rohan Ramesh	Biodiversity and Ecosystem survivals
17.	Ganore Rutuja Pandurang	Biodegradable waste
18.	Gore Swati Kailas	Radioactive waste products and its treatment
19.	Jadhav Jayesh Mahendra	Recycle Reuse and waste management
20.	Kakad Gayatri Uday	Dead Zone
21.	Kala Kanchan Nirajkumar	Green Roof Garden
22.	Kanade Rupali Nitin	Nuclear issues on environment
23.	Katare Pratik Ravindra	Environmental Hazards of Plastic
24.	Kedar Pratik Mahesh	Industrial waste products
25.	Khairnar Harish Arun	Sound pollution
26.	Kulkarni Shruti Prakash	Green roof Garden
27.	Lade Akshada Kahinath	Nuclear issues on environment
28.	Loharkar Soham Vivek	Environmental Hazards of Plastic
29.	Mokat Kaveri Arun	Industrial waste products
30.	Navgare Akshay Kisanrao	Sound pollution
31.	Niphade Pooja Shankar	Water effect on hair fall and fungal infection.
32.	Pagar Pooja Anil	Air handling unit-HVAC
33.	Palde Mansi Laxman	Tidal Power energy and renewable energy in future
34.	Patil Pooja Kiran	Medicinal Plants
35.	Pekhale Divya Bajirao	Effect of Zinc on soil.
36.	Sanchita Dey	Water effect on hair fall and fungal infection.
37.	Savale Aishwairya Valmik	Air handling unit-HVAC

38.	Singh Kanika Sunilkumar	Tidal Power energy and renewable energy in future
39.	Sonawane Shubham Ashok	Medicinal Plants
40.	Suryawanshi Parijat Sunil	Effect of Zinc on soil.
41.	Thakare Pranjali Sanjay	Microorganisms and environment.
42.	Thombare Sakshi Prakash	Soil pollution and control
43.	Tolani Drushti Deepak	Mineral resources
44.	Varshney Akansh Purshottamlal	Nano technology
45.	Wagh Shreeya Nitin	Industrial waste management
46.	Pagare Vrushali Ramesh	Microorganisms and environment.
47.	Shardul Prashant Bhausaheb	Soil pollution and control
48.	Badhan Tejas Chordia	Mineral resources
49.	Wagh Mayuri Samadhan	Nano technology
50.	Pawar Reshma Vinayak	Industrial waste management
51.	Pandav Priyanka Nitin	Biochor
52.	Suryawanshi Vaishnavi Vilas	Ballon rocket car
53.	Phatangare Dipti Rajendra	Biochor
54.	Magar Harshada Rajendra	Noise pollution
55.	Mundhe Jyoti Laxman	Noise pollution
56.	Khedkar Sanjyot Sopan	Pollution
57.	Sajgure Pratik Pravin	Ballon rocket car
58.	Wani Tejal Pravin	Biochor

- Students from S.Y.B.Pharm and T.Y.B.Pharm participated in Poster presentation at two days National Level Seminar on current trends, development and advancement in Drug delivery system hosted by college, on 23/01/2018 and 24/01/2018.

Sr.No.	Name of students	Year(F.Y/S.Y/T.Y/Final year)	Topic
1.	Harish Khirnar, Shruti Kulkarni, Nakshatra	S.Y.B.Pharm	Novel Delivery of Insulin

	Choudhari, Mrudul Deshpande,Shreya Wagh		
2.	Pratik Sinkar, Bhushan Mahajan	T.Y.B.Pharm	Nano Robotics in drug delivery

- T.Y.B.Pharm student was assigned project on 'Formulation and development of Phytosomes' by Dr.J.Y.Nehate.

Sr.No.	Name of student	Year(F.Y/S.Y/T.Y/Final year)	Topic
1.	Bhushan Mahajan	T.Y.B.Pharm	Formulation and development of Phytosomes

- S.Y.B.Pharm students participated in model making competition held during National Pharmacy week.

Sr.No.	Name of student	Year(F.Y/S.Y/T.Y/Final year)	Topic
1.	Akansh Varshey and Tejas Bhadan	S. Y. B. Pharm.	Model making for NPW on topic insulin release after hyperglycemia.

- First year B.Pharm students visited various specialised hospitals and prepared informative charts. Evaluation was carried on the basis of quality of charts prepared and information gained by students. They were evaluated by subject Incharge of Human Anatomy Physiology(Mrs.S. H. Pawar)

### CAYm1-2016-17

Students of S.Y.B.Pharm were assigned review based projects for the subject Environmental Sciences as per the syllabus of SPPU

Roll.No.	Name of Student	Title of Project
1.	AhirePavanVinayak	Garbage Pollution

2.	Atale Diksha Sharad	Garbage Pollution
3.	Badgujar Vaishnavi Chandrashekar	Garbage Pollution
4.	Bagale Smita Amrut	Garbage Pollution
5.	Ballal Amruta Devanand	Water Pollution
6.	Bande Nilam Naresh	Noise Pollution
7.	Bavishkar Akshata Pralhad	Noise Pollution
8.	Bhagat Ridhi Mansukh	Noise Pollution
9.	Bharskar Deepali Arun	Waste management
10.	Bhusare Nilam Dilip	Waste management
11.	Binnar Priyanka Murlidhar	Waste management
12.	Bokan Pragati Prakash	Water Pollution
13.	Chaudhari Nikhil Suresh	Soil pollution
14.	Chumble Shubham Sunil	Soil pollution
15.	Deshmukh Rushikesh	Industrial Hazards
16.	Dhikale Akshay Dattatray	Marine Pollution
17.	Gaikwad Prajakta Vilas	Soil pollution
18.	Gaikwad Sakshi Santosh	Water Pollution
19.	Gangurde SwapnaliVikas	Industrial Hazards and Air Pollution
20.	Ghumare Abhishek Ramesh	Global Warming
21.	Hagawane Apurva Tanaji	Marine water Pollution
22.	Handore Shubham Sudhakar	Global Warming
23.	Joshi Lalita Sandeep	Industrial Hazards and Air Pollution
24.	Kadam KomalRamdas	Marine water Pollution
25.	Kale Akshada Sudhakar	Marine water Pollution
26.	Kandekar Prasad Sanjay	Noise Pollution
27.	Khapre Prachi Ashok	Global Warming
28.	Kulkarni PrathameshManohar	Natural Resources-Air
29.	Kulkarni Samruddhi Bhalchandra	Natural Resource- Land
30.	Kumavat Aarti Udaybhan	Natural Resource- Land

31.	Mahajan Bhushan Sandip	Natural Resources
32.	Mali Sonam Vasant	Pollution
33.	Malode Pooja Madhukar	Pollution
34.	Nakarni Meha Shankar	Water Pollution
35.	Pandit Prathmesh Vikas	Pollution
36.	Patare Rushikesh Dyaneshwar	Pollution
37.	Patil Anita Laxman	Water Pollution
38.	Patil Nikita Yuvraj	Industrial Hazards and Air Pollution
39.	Patil Sonali Ravindra	Pollution
40.	Pawar Jayshree Hanumant	Pollution
41.	Pawar Yogiraj Dhanraj	Soil Pollution
42.	Pinjari Shaista Shareef	Industrial Hazards and Air Pollution
43.	Raut Hemant Vishnu	Global Warming
44.	Salunke Gaurav Bhimraj	Natural resource- Land
45.	Sandhan Swati Shivajirao	Marine Water Pollution
46.	Shaikh Minhaz Parvin Jawed Hussain	Natural resource- Water
47.	Shilawat Sayali Ganesh	Natural resource- Water
48.	Shinde Rutuja Babasaheb	Marine Water Pollution
49.	Srivastva Shrey Ajay	Natural Resource
50.	Sinkar Pratik Sanjay	Water Pollution
51.	Sukenkar Shubhangi Sanjay	Natural Resource
52.	Suryawanshi Vallabh Devidas	Soil pollution
53.	Suryavanshi Mayuri Himmat	Water Pollution
54.	Thakor Mayuri Dinesh Singh	Water Pollution
55.	Thorat Divya Chandrakant	Global Warming
56.	Tiwari Vidyanand Satishkumar	Water Pollution
57.	Boraste Piyush Anil	Water Pollution
58.	Bhanushali Upasana Manish	Water Pollution
59.	Chaudhari Pratibha Hiranman	Soil pollution
60.	Dighe Shital Bhausaheb	Marine Pollution



61.	Khode Shubhangi Purushottam	Noise Pollution
62.	Kothavade Dhiraj Bhanudas	Garbage Pollution
63.	Mahajan ShubhamDigambar	Natural Resources
64.	Nawale Prajakta Rajendra	Soil pollution
65.	Pathade SachinNandu	Marine Water Pollution
66.	Raut Manisha Manohar	Soil pollution

- Students of F.Y.B.Pharm and S.Y.B.Pharm participated in poster competition held during Two days National Seminar on current trends in Pharmaceutical Sciences, 24/01/2017 & 25/01/2017

Sr.No.	Name of student	Year(F.Y/S.Y/T.Y/Final year)	Topic
1	Pratik Katare	F.Y.B.Pharm	‘Drug Coding and its applications’
2	Lalita Joshi	S.Y.B.Pharm	‘Advancement in Pulmonary Drug Delivery
3	Pavan Ahire, Nikhil Choudhari, Abhishek Ghumare, Gaurav Salunke	S.Y.B.Pharm	‘Generic Drugs Vs Branded Drugs’

### CAYm2-2015-16

- Students of S.Y.B.Pharm were assigned review based projects for the subject Environmental Sciences as per the syllabus of SPPU

Roll no.	Name of Student	Title of Project
1.	Agrawal Rohan	Biochar
2.	Ambore Prashant	DJ greater concern for sound pollution.
3.	Bairagi Ritu	Effect of plaster of paris on environment
4.	Bangera Vini	Air handling unit-HUAC
5.	Bankar Madhuri	Harvesting of medicinal plants
6.	Barve Swati	Effect of elements of periodic table on environment

7.	Boraste Shubham	Radioactive waste products and its treatments
8.	Chaudhari Sagar	Reuse, recycling and waste management
9.	Chavan Abhishek	Harvesting of medicinal plants
10.	Chavan Saurabh	Effect of zinc on soil
11.	Darpe Dhanashree	Ozone layer depletion, its causes and effect
12.	Deokute Janhavi	Water effect on hairfall and fungal infection
13.	Desle kanchan	Enviromental hazards of plastic
14.	Desle kiran	Medicinal plant found in nashik district
15.	Deshmukh V B	Reuse, recycling and waste management
16.	Dhamdhare Vaibhav	Micro-organism and environment
17.	Dhanokar Shraddha	Solar power
18.	Gaikwad Subhash B	Mineral resources
19.	Gangurde Rahul	Micro-organism and environment
20.	Gatkal Pooja	Industrial waste product
21.	Gaware Rohini	Sustainable agriculture
22.	Joshi Gayatri	Bioremediation
23.	Kadam Sayali	Water effect on hairfall and fungal infection
24.	Kirtane Sanghmitra	Sustainable agriculture
25.	Mahale Akanksha Pramod	Bioremediation
26.	Mahale Hema Bharat	National disaster management in india
27.	Mahale Kirti Dattatraya	Energy resources and its conservation
28.	Manoorkar Prashnat Balaji	Biochar
29.	More Prajka shantaram	Medicinal plant found in nashik district
30.	More pranjali kiran	Green roof garden
31.	Dhanvantari balkrishna nikam	DJ greater concern for sound pollution
32.	Pande Aashish Bhairvprasad	Noise pollution and its control review
33.	Patil Minal Sharad	Solar power

34.	Randive Prajaskta Vijay	Ozone layer depletion, its causes and effect
35.	Rayate Rushikesh Shivaji	Effect of oil spills
36.	Rote Vaibhavi Deepak	Noise controll in pharmaceutical industry
37.	Sahu Mamta bhagwanprasad	Air handling unit-HVAC
38.	Salunke Meenakshi	Biofertiliser
39.	Sarak Prajakta Rajkumar	Enviromental hazards of plastic
40.	Shewale Kalyani Hiranman	Disposal methode of waste pharmaceutical
41.	Shinde Snehal sharad	Effect of oil spills
42.	Shinde Varsha Prakash	Effect of aerosol on the environment
43.	Sisodiya Harsha Arvind	Noise controll in pharmaceutical industry
44.	Sonawane Mugdha Balkrishna	Effect of zinc on soil
45.	Suryawanshi Gaurav santosh	Dead zone
46.	Tidke Snehal Rajendra	Noise pollution and its control review
47.	Wagh Dhanashri Satish	Green roof garden
48.	Wankhede Anuja Mohan	Mineral resources
49.	Wankhede Tanuja Mohan	Tidal power energy: renewable energy in future
50.	Bhavar Ganesh Dattu	Biodiversity and ecosystem services
51.	Shinde Prakash Vilas	Water resources in maharastra
52.	Pawar Rahul Sumatilal	Biodiversity and ecosystem services
53.	Ghodke Anuja Dattatreya	Water resources in maharastra
54.	Meditiya Rinku Himmatlal	Tidal power energy: renewable energy in future
55.	Bhamare Mahesh Arun	Industrial waste product
56.	Valvi Nimajya Makatya	Soil pollution and control.
57.	Pawar Jay Wasudeo	Effect of aerosol on the enviroment.
58.	Bhutekar Jalinder Rameshwar	Soil pollution and control.
59.	Borude Amol Raosaheb	Greem chemistry..
60.	Potphode Vishal Ashok	Biodegradable plastics.

61.	Deore Nandraj Sanjay	Biodegradable plastics.
62.	Bagate Gautum Maroti	--
63.	Mote Gajanan Ramprasad	--
64.	Patil Avinash Manikrao	Environmental effect of nanotechnology
65.	Ghatkar Tejas Digambar	Disposal method of waste pharmaceutical
66.	Meshram Chaitali Suresh	Green chemistry
67.	Bam Shradha Uday	Effect of acid –rain from laboratories on fertility of soil.
68.	Jadhav Puja Aba	Effect of acid –rain from laboratories on fertility of soil.
69.	Jadhav Neha Suresh	Nuclear issues on environment.
70.	Bande Rohan Vijaykumar	Nuclear issues on environment.
71.	Bagal Punam Bhaginath	food wastage management.

Note:-Roll number 62 and 63 left the course in between.

- Students from Final year B.pharm participated in 'Avishkar' research competition held by Savitribai Phule Pune University in October 2015.

Sr.No.	Name of student	Year	Topic
1	Luketa Alai, Rasika Mahale	Final Yr .B.Pharm	Synthesis and Evaluation of 5-chloro Benzyl Benzimidazole Derivatives as novel antifungal agents.
2	Pooja Khairnar, Amol Pagar.	Final Yr .B.Pharm	Study of bactericidal activity of antibiotics against Bacterial Blight (Telya) over pomegranate.
3	Akshay Patil Mandeep Swami	Final Yr. B.Pharm	Isolation of Quercetin from Psidium guava plant and its characterization.

**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)*

**MoUs Signed**

Sr.No.	Name of Institute/Industry	Year Date of Signing	Purpose of MoU
1	Ayurveda Sanshodhan Vibhag, Ganeshwadi,Panchavati,Nashik	21/03/2016	Collaborative project work/ Regular Visit
2	Orchid Scientific and Innovative India Pvt. Ltd. Ambad, Nashik	05/07/2017	Consultancy services, Joint collaborative projects, Visit& training
3	Reve Pharma,Sinnar,Nashik	2017-18	Collaborative work.

One of our Alumni, Dr. Mahendra Pawar, Director (Formulation and Development) at- Endopharmaceutical (USA) has enriched our Central Instrumentation Lab by donating Instruments HPLC-(Waters), Dissolution Test Apparatus and Conductivity Detector worth 50 lacs.

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 got to know the working atmosphere and the various sections by visiting industry/ hospital set up. Experts from these areas delivered informative lectures. These helped the students to understand real-time appreciation and value addition.

**CAY-2017-18**

S. No.	Industry/ Hospital Place	Date- Month- Year	No. of students presentd uring visit	Departm ents visited	Content of syllabus fulfilled	Impact analysis/Observations
<b>First Y.B.Pharm</b>						
1.	Anmol Packagers,Mu	15/02/ 18	50	Packagin g	Different Types of	Visit was helpful for understanding concept

	salgaon, Sinnar				Packing Material	of Primary and Secondary Packaging.
2	Reve Pharma Musalgaon, Sinnar	15/02/18	52	Store Production QCPackaging	Good Manufacturing Practices, Manufacturing & Packaging process of formulations In-process Q.C.testing of formulations	Visit was helpful to study CGMP followed in industries and manufacturing & packaging process of formulations.
3	Arpan blood bank, Nashik	07/11/17 08/11/17 11/11/17	A-19 B-19 C-20	Blood donation room, blood component separation lab, QA lab, Pathology dept, storage area, Apheresis room	Blood, its composition, separation and importance of components.	Visit was helpful to gain information about Apheresis, separation, storage Thalassemia and challenges
<b>S.Y.B.Pharm</b>						
1	EVS Education Visit at Dahanu Beach via Jowhar-Mokhada.	11/10/17	58	Ghats of Jowhar – Mokhada, & Vikramgad Beaches Bardi, Chikle	Ecosystems & Estuaries; flow	Visit was helpful to study different types of ecosystem at ghats of Jowhar – Mokhada, ghats of Vikramgad, Estuaries; flows at the beach side, (Bardi, Chikle Beach)

2	Visit to Biotechnology Department of KTHM Biotechnology Department Nasik	23/11/ 17	57	Biotechnology	Isolation of DNA from microbial source(E. Coli)	Visit was helpful for understanding the process of DNA isolation
3	Pathology Lab and Blood Bank Dr.Vasantrao Pawar Medical College Hospital and research Centre	10/02/ 18	50	Pathology Lab and Blood Bank	Separation of blood components from blood its preservation, practices followed in pathology lab for estimation of biomolecules, ESR.	Visit was helpful to understand separation of blood components from blood its preservation, practices followed in pathology lab for estimation of biomolecules, ESR.
4	Visit to Botany department of L.V.H. Science College, Panchavati, Nashik.	19/04/ 18	42	Botany department.	Preparation of Herbarium.	Visit was helpful to understand process of preparation of Herbarium.
5	Visit to 'Oral Pathology' department of K.B.H. Dental College, Panchavati, Nashik.	09/04/ 18 10/04/ 18 11/04/ 18	48	Oral Pathology Department'	Use of Microtome in section cutting.	Visit was helpful to understand use of Microtome in section cutting
6	Dr. Vasantrao Pawar	16/03/ 18	55	Various OPD and	Hospital organization	The visit was helpful to clear concept of

	Medical College and Hospital			IPD sections, Hospital Pharmacy, central drug store,	and hospital pharmacy.	hospital pharmacy, hospital organization, drug storage conditions & drug distribution.
<b>T.Y.B.Pharm</b>						
1	Blue Cross Industries Nashik	19/11/17	40	Tablet Section	Steps involved in preparation of Tablet	Visit was useful to understand steps involved in preparation of tablets
2	K.R.Capsule Dindori, Nashik	10/11/17	60	Quality Control	Raw Material testing, Preparation of Gelatin, Preparation of Capsule shell	Visit was useful to understand process of Raw Material testing, Preparation of Gelatin, Preparation of Capsule shell, Microbiological Assay.
3	Manufacturing unit of Ayurved seva sangh Nashik	07/11/17	56	Ayurved Dosage form Manufacturing	Preparation and Standardization of herbal formulation	Visit was useful to understand preparation and standardization of herbal formulation
<b>Final Year B.Pharm</b>						
1	Ayurved Seva Sangh mfg. and botanical garden	07/11/17	49	Tablet, liquid, kadha, botanical garden	Ayurvedic dosage forms	The visit was helpful to know Ayurvedic dosage form, their formulation and equipments used.
2	Blue Cross Laboratories Pvt Ltd, Verna Industrial Estate, Verna,	13/02/18	40	Store, Production, Quality Control	Tablet Syrup, Capsule	Visit was helpful to understand Raw material storage, testing, production of various dosage forms, CGMP followed



	Goa					in industries, Quality control and Quality Assurance Processes.
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**List of lectures delivered by experts from Industry / Hospitals**

Sr.No.	Topic of Lecture	Date-Month-Year	Resource person with designation	No. of students present	Relevance to PO
1	Hair fall management/ Acne management/ Hyper pigmentation management	25/07/17	Dr. Manasi Pawar Skin Alive Clinic (Perfect Skin & Cosmetic Center) Nasik	93	1, 3, 8,9
2	Awareness of osteoporosis in Society	05/08/17	Dr.Vijay Kakatkar MD MS Orthopedic	66	9,11
3	Applications of DSC and GC	20/09/17	R.Girijan Toshvin Analytical Pvt.Ltd,Mumbai	58	1,4
4	Practical Applications of Unit Processes	30/09/17	Mr.Anil Choudhari Ex CEO VSCL, Nasik	56	1,4,11
5	Stress management	25/10/17	Mr. Amol Kulkarni Healthview, Manovedh, psychological & physical health, shastri peth, Nasik	59	1, 3, 8, 9,11
6	Lifestyle modifications to prevent	04/11/17	Public symposium organized by Magnum Heart Institute,	55	1,2,3,4,5,6,7,8,9, 10,11

	cardiovascular diseases.		Nashik. (Psychologist & cardiologists)		
7	Hospital organization & management.	17/11/17	Mr. Sachin Parekh Manager, Sales & Marketing, Apollo Hospital. Mumbai	55	1,2,3,4,5,6,7,8,9,10,11
8.	Environment, Health and Safety (EHS Policy and its implementation)	25/01/18	Mr. Rohit Virmani, GM-EHS, Glaxo Smithkline Pvt Ltd, Nasik	84	1,3,5,10,11
8	Unconventional Job Opportunities Available For Pharma/Science Graduates In Different Fields	01/02/18	Mr.Rohan Pawar, RAP Analytical Research & Training Centre, Nashik	64	1,2,3,4,5,11
9	Working of Drug Design Software	15/02/18	Dr. Sami Mukhopadhyay, Vlife Sciences Technologies Pvt Ltd	63	1,2,3,4,6,11
10	A Psychologist Conversation with youngsters	05/04/18	Mr. Chinmay Palsodkar Rubaroo Psychologist Studio, Nasik	57	1,2,3,8,11

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

*(Mention the initiatives, implementation details and impact analysis)*

- **Skill development program:** Mahindra Pride Classroom in collaboration with Nandi Foundations commenced skill employability enhancement workshop for interested B.Pharm and M.Pharm students. Wheebox Employability Skill Test in co-ordination with AICTE was also conducted to assess major competencies in English language, problem solving, mathematical aptitude along with behavioral traits (learning agility, teamwork and adaptability of the candidate) for employability. The outcome of the test was to identify core strengths and improvement areas of the students. Feedback from students participating in the program were also taken.
- In another benchmark event apart from our regular guest lectures, a series of guest lectures by Alumni was conducted for B.Pharm and M.Pharm students as part of skill development program. These lectures were truly one of its own kind. They not only delivered the contents beyond the syllabus but projected a true picture of the corporate world with their expectations from freshers. This definitely helps them to mold as pharmacists as per the requirement of the organizations.
- **Student Training:** S.Y.B.Pharm, T.Y. B.Pharm and Final Yr B.Pharm students undergo training for a month either in industry/ hospital/ wholesale or retail medical shops. The exposure gives an idea about the current scenario of the organization as they get updated with various skills. It also gives an opportunity for the students to relate their theoretical concepts with practice. Students give their feedback in the form written training report. The details are given as under.

#### CAY 2017-18

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)	08/08/17 to 12/09/17	25 (B.Pharm) 12 (M.pharm)	This is Me - Induction I am Unique (with synonyms) - Life Skills Grooming &	Introductions Building self-esteem Providing confidence to students to

				Hygiene - Soft Skills Greetings + Small Talk - Soft Skills + Communication Skills Talking to Strangers - Communication Skills To be + To have - Communication Skills Point of View - Communication Skills Values & Behaviour Gender Sensitization Kindness Boomerang Social Manners Skit Discussion & practice (on a social issue) Skit Presentation - Presentation Skills Explaining a Process - Presentation Skills Extempore Speech (basic) - Communication Skills	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 - Basic knowledge on money matters
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				Financial Literacy - Banking Financial Literacy - Savings Resume Preparation Mock Interviews	Preparing students for the real world - Basic tips on interview skills
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2.	Wheebox Employability skill Test (WEST)	30-09-2017	25 (B.Pharm) 12 (M.pharm)	It is a 70 min pre-screening test in the country that is endorsed by Industry bodies and Academia	WEST measures a candidate's cognitive ability along with English, Behavioral Traits and Pertinent Domain Knowledge.
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3.	Alumni series of Guest Lectures  Dr. Satyajeet Narode	04-09-2017	35(B.Pharm)31(M.Pharm)	Product Development and Constructive concept to commercialization	Students got in-depth knowledge about product development and got tips on how to commercialize a product.
	Mrs Sanyogini Birari	22-09-2017	43 (F.Y.B.Pharm)	Generic Medicine: Past, Current and Future in India	Students gathered the knowledge on Generic medicine and came to know the current status and its social impact.
	Mr. Pravin Jagtap	23-09-2017	55(B.Pharm) 36(M.Pharm)	Oppurtunities and Challenges as Entrepreneur in Pharmaceutical Industry	Aspiring budding pharmacist seeked many tips to be successful entrepreneur.
	Taresh Patil	10-10-2017	09(M.Pharm)	Process of Clinical Trials	Students understood the process details (various phases)of Clinical Trials with live examples through the speakers experience.
	Mr. Narottam Shinde	26-10-2017	35 (T.Y.B.Pharm)	Harmone Manufacturing	The minute details of harmone manufacturing process was explained with all pros and cons.
	Mr. Sachin Tadge	28-10-2017	70(Finalyear, M.Pharm.)	Pharmacovigilence	The current status of pharmacovigilence,

					its objectives and functioning globally was made to know to the students.
	Mr. Sachin Parekh	17-11-2017	57(F.Y.B.Pharm)	Hospital Administration and Management	The hospital functioning and administration was highlighted to the students. This will help students who aspire to be an hospital pharmacist.
	Dr. Aniruddha Amrite	07-02-2017	29 (M.Pharm)	Phase I to Phase IV Clinical Pharmacology with case studies	Interesting case studies were reported and students enjoyed listening to the process of clinical trials.

- During regular practicals of HAP F.Y.B.Pharm students are trained to develop skills and informed about-
  - ✓ Precautions to be taken while finger pricking.
  - ✓ Taking blood in diluting pipette without air bubble.
  - ✓ Cleaning of microscope objective and eyepiece.
  - ✓ Staining method to determine blood cells.
- During regular practicals of Pharmacology T.Y.B.Pharm and Final Year B.Pharm students are trained to develop skills in tissue mounting & Washing time to be modified as per requirement.
- Students of S.Y.B.Pharm, T.Y.B.Pharm and Final Year B.Pharm are trained to handle instruments UV, Colourimeter, Flame Photometer, Tablet Punching machine, Dissolution test apparatus.

**Industrial Training Report****CAY (2017-18)****Year : S.Y. B.Pharm****Academic Year : 2017 -18****Total training period: 31/05/2017 to 14/06/2017**

<b>Ro ll No .</b>	<b>Name Of student</b>	<b>Unit</b>	<b>Unit Name &amp; location</b>	<b>Period</b>
1	Ahire Ashvini S.	Hospital Attached	Soham Medical, C/o Soham Hospital, NSK	31/05/2018 to 14/06/2018
2	Bachhav Harshada R.	Wholesale	Sidhidata Med.and General stores, Kalvan, NSK	31/05/2018 to 15/06/2018
3	Bakare Nikita Anil	Wholesale	Santi Agencies, Lasalgaon	31/05/2018 to 14/06/2018
4	Basare Ankush N.	Wholesale	Shri Sai Prasad Medical Agency, NSK	31/05/2018 to 14/06/2018
5	Bhadane Roshani G.	Wholesale	M/S. Chaudhari and CO. Pharmaceutical Dist., NSK	31/05/2018 to 14/06/2018
6	Bhamare kuldip B.	Wholesale	All is Well Medical and Super store, NSK	31/05/2018 to 14/06/2018
7	Bhoir Anjali P.	Wholesale	Panchamrut Ayurved Bhandar, NSK	31/05/2018 to 14/06/2018
8	Birhade Priyanka k.	Wholesale	M/S. Chaudhari and CO. Pharmaceutical Dist., NSK	31/05/2018 to 14/06/2018
9	Chaturvedi Abhilasha A.	Wholesale	M/S. Chaudhari and CO. Pharmaceutical Dist., NSK	31/05/2018 to 14/06/2018
10	Choudhari Nakshatra S.	Laboratory	Bini Laborotories, NSK	31/05/2018 to 14/06/2018
11	Chumble Aishearaya R.	Wholesale	Life Care Medical and Gen. Store, NSK	31/05/2018 to 14/06/2018
12	Deore Dhanshri S.	Industry	Uniswiss Pharma, NSK	31/05/2018 to 15/06/2018



13	Deshpande Mrudul R.	Patho. Lab.	Sai Computerised Pathology and cytology Lab., Nanded	31/05/2018 to 14/06/2018
14	Dhage Pooja G.	Wholesale	Sayali Medical Gen. Store	31/05/2018 to 15/06/2018
15	Dhumbare Arti S.	Wholesale	Arya Medical and Gen. Stores, Niphad	31/05/2018 to 14/06/2018
16	Gaikwad Rohan R.	Wholesale	Shree Ganesh Med.Stores, NSK	31/05/2018 to 14/06/2018
17	Ganore Rutuja P.	Industry	Precise ChemiPharma, Ghatcoper	31/05/2018 to 14/06/2018
18	Gore Swati K.	Wholesale	Sayali Medical Gen. Store	31/05/2018 to 15/06/2018
19	Jadhav Jayesh M.	Wholesale	Shri Sai Prasad Medical Agency, NSK	31/05/2018 to 14/06/2018
20	Kakad Jayesh M.	Industry	Glenmark, NSK	31/05/2018 to 14/06/2018
21	Kala Kanchan N.	Industry	Adora Products Pvt. Ltd,Aurangabad	31/05/2018 to 14/06/2018
22	Kanade Rupali N.	Wholesale	Shirish Med.and Gen. Stores, NSK	31/05/2018 to 14/06/2018
23	Katare Pratik R.	Patho. Lab.	Holden Med. Lab.,NSK	29/05/2018 to 12/06/2018
24	Kedar Pratik M.	Wholesale	Vakratund Med. Agency, Niphad	31/05/2018 to 14/06/2018
25	Khairnar Harish A.	Laboratory	Bini Laborotories, NSK	31/05/2018 to 14/06/2018
26	Kulkarni Shruti P.	PHC	PHC, Varkheda, Dindori	31/05/2018 to 14/06/2018
27	Lade Akshada K.	Wholesale	Shri Samarth Pharma, NSK	31/05/2018 to 14/06/2018
28	Loharkar Soham V.	Patho.Lab.	Holden Med. Lab.,NSK	29/05/2018 to 12/06/2018
29	Mokat Kaveri A.	Hospital Attached	Aatma Malik Med. And Gen. Store, Sai Hopt., Kopergaon	31/05/2018 to 14/06/2018

30	Navgare Akshay K.	Hospital Pharmacy	MGV'S KBH Dental College and Hospital, NSK	31/05/2018 to 14/06/2018
31	Niphade Pooja S.	Patho.Lab.	Holden Med. Lab.,NSK	31/05/2018 to 14/06/2018
32	Pagar pooja Anil	--	--	Left
33	Palde Manshi L.	Industry	Uniswiss Pharma, NSK	31/05/2018 to 15/06/2018
34	Patil pooja K.	Hospital	Lokmanya Hospt., NSK	31/05/2018 to 14/06/2018
35	Pekhale Divya B.	Wholesale	Med. And Gen. Stores,NSK	31/05/2018 to 14/06/2018
36	Sanchita Dey	Wholesale	Thakkar Med.Agency, NSK	31/05/2018 to 14/06/2018
37	Savale Aishwairya V.	Wholesale	Arya Medical and Gen. Stores, Niphad	31/05/2018 to 14/06/2018
38	Singh Kanika S.	Wholesale	Raichura Agency,NSK	31/05/2018 to 14/06/2018
39	Sonawane shubham A.	Wholesale	All is Well Medical and Super store, NSK	31/05/2018 to 14/06/2018
40	Suryawanshi Parijat S.	Wholesale	All is Well Medical and Super store, NSK	31/05/2018 to 14/06/2018
41	Thakare Pranjali S.	Patho.Lab.	Holden Med. Lab.,NSK	29/05/2018 to 12/06/2018
42	Thombre sakshi P.	Wholesale	Pravin Surgi Pharma, NSK	31/05/2018 to 15/06/2018
43	Tolani drushti d.	Wholesale	Raichura Agency,NSK	31/05/2018 to 14/06/2018
44	Varshney Akansh P.	Industry	Life Care Pharmaceuticals pvt. Ltd., NSK	1/06/2018 to 15/06/2018
45	Wagh Shreeya N.	Wholesale	Sanjivini Medical Stores, Pinpalgaon	31/05/2018 to 14/06/2018
46	Pagare	Wholesale	Shri Swami Samarth Agency, NSK	31/05/2018 to

	Vrushali R.			14/06/2018
47	Shardul Prashant B.	--	--	Left
48	Badhan Tejas C.	Industry	Life Care Pharmaceuticals pvt. Ltd., NSK	1/06/2018 to 15/06/2018
49	Wagh Mayuri S.	Wholesale	Shree Balaji Med. And P'Ceutical Dist.,NSK	31/05/2018 to 14/06/2018
50	Pawar Reshman V.	Wholesale	Sakshi Pharma , NSK	31/05/2018 to 14/06/2018
51	Pandav Priyanak N.	Wholesale	Shri Swami Samarth Agency, NSK	31/05/2018 to 14/06/2018
52	Suryawanshi Vaishnavi V.	Wholesale	Phoenix Enterprises, Buldhana	31/05/2018 to 14/06/2018
53	Phatrang Dipti R.	Wholesale	Shri Bhagavatbaba Med.And Gen. Store, Sangamner	31/05/2018 to 13/06/2018
54	Magar Harshada R.	Wholesale	Shree Balaji Med. And P'Ceutical Dist.,NSK	31/05/2018 to 14/06/2018
55	Mundhe Jyoti L.	Wholesale	Panchaganga Pharma, NSK	31/05/2018 to 14/06/2018
56	Khedkar Sanjyot sopan	Wholesale	Jalaram Agency, NSK	31/05/2018 to 14/06/2018
57	SajgurePratik P.	Industry	Life Care Pharmaceuticals pvt. Ltd., NSK	1/06/2018 to 15/06/2018
58	Wani Tejal Pravin	Wholesale	Panchaganga Pharma, NSK	31/05/2018 to 14/06/2018

Note:-Roll.No.32,47 left the course in between.

**Year :T.Y. B.Pharm Academic Year : 2017 -18**

**Total training period: 31/05/2018 to 14/06/2018**

<b>Roll No.</b>	<b>Name of the Student</b>	<b>Unit</b>	<b>Unit Name &amp; location</b>	<b>Period</b>
1	Ahire Pavan Vinayak	Manufacturer	Unijules Life Sciences Ltd., Nagpur	30/05/2018 to 14/06/2018
2	Atale Diksha Sharad	Industry	Blue cross, NSK	1/06/2018 to 15/06/2018
3	Badgujar Vaishnavi Chandrashekar	Industry	Blue cross, NSK	1/06/2018 to 15/06/2018
4	Bagale Smita Amrut	Industry	Maxheal p'ceuticals, NSK	3/06/2018 to 17/06/2018
5	Ballal Amruta Devanand	Wholesale	Ishwari Med. And Gen. Stores, NSK	1/06/2018 to 15/06/2018
6	Bande Nilam Naresh	Industry	Blue cross, NSK	1/06/2018 to 15/06/2018
7	Bavishkar Akshata Pralhad	Industry	Blue cross, NSK	1/06/2018 to 15/06/2018
8	Bhagat Ridhi Mansukh	Wholesale	Jairam Med., NSK	31/05/2018 to 15/06/2018
9	Bhanushali Upasana Manish	Industry	Lupin Limited, Palghar	01/06/2018 to 15/06/2018
10	Bhusare Nilam Dilip	Industry	Glenmark, NSK	30/05/2018 to 14/06/2018
11	Binnar Priyanka Murlidhar	Wholesale	Om Med. And Gen. Stores, NSK	31/05/2018 to 14/06/2018
12	Bokan Pragati Prakash	Wholesale	Govind Medical, Ahmadnagar	31/05/2018 to 15/06/2018
13	Boraste Piyush Anil	Wholesale	Mhalsa Distidutors, Pimpalgaon	31/05/2018 to 14/06/2018

14	Chaudhari Nikhil Suresh	Wholesale	Surana Agency, NSK	31/05/2018 to 14/06/2018
15	Chaudhari Pratibha Hiraman	Patho Lab.	Chikitsa Dignostik, NSK	31/05/2018 to 14/06/2018
16	Chumble Shubham Sunil	Wholesale	Vard Scheme House, NSK	31/05/2018 to 14/06/2018
17	Dhikale Akshay Dattatray	Wholesale	Om Sai Generic Medicine Stores, Pimpalgaon	1/06/2018 to 15/06/2018
18	Dighe Shital Bhausahab	Wholesale	Sukhakarta Wholesale and Retail Shop, Sangamner	31/05/2018 to 14/06/2018
19	Gaikwad Prajakta Vilas	Industry	Maxheal p'ceuticals, NSK	3/06/2018 to 17/06/2018
20	Gaikwad Sakshi Santosh	Industry	Glenmark, NSK	30/05/2018 to 14/06/2018
21	Gangurde Swapnali Vikas	Patho. Lab.	Swami Samarth Patho Lab., Mumbai	31/05/2018 to 15/06/2018
22	Ghumare Abhishek Ramesh	Manufactu rer	Unijules Life Scinces Ltd., Nagpur	30/05/2018 to 14/06/2018
23	Hagawane Apurva Tanaji	Industry	Blue cross, NSK	31/05/2018 to 14/06/2018
24	Handore Shubham Sudhakar	Wholesale	Kiran Agency, NSK	11/06/2018 to 26/06/2018
25	Joshi Lalita Sandeep	Wholesale	Shri Vinayak Agency, NSK	31/05/2018 to 15/06/2018
26	Kadam Komal Ramdas	Industry	Megafine Pharma, NSK	30/05/2018 to 14/06/2018
27	Kale Akshada Sudhakar	Industry	Blue Cross Lab., NSK	1/06/2018 to 15/06/2018

28	Kandekar Prasad Sanjay	Wholesale	Hemant Enterprise, NSK	30/05/2018 to 14/06/2018
29	Khapre Prachi Ashok	Industry	Blue Cross , NSK	1/06/2018 to 15/06/2018
30	Khode Shubhangi Purushottam	Wholesale	Shaurya Pharma Wholesale Drug Stores, Pimpalgaon	1/06/2018 to 16/06/2018
31	Kothavade Dhiraj Bhanudas	Company	Vital Health Care Pvt. Ltd., NSK	07/06/2018 to 21/06/2018
32	Kulkarni Prathamesh Manohar	Wholesale	Surana Agency, NSK	31/05/2018 to 14/06/2018
33	Kumavat Aarti Udaybhan	Company	Vital Health Care Pvt. Ltd., NSK	07/06/2018 to 21/06/2018
34	Mahajan Bhushan Sandip	Company	Wockhardt Life Wins	31/05/2018 to 14/06/2018
35	Mahajan Shubham Digambar	Wholesale	Panchamrut Ayurvedic Bhandar, NSK	31/05/2018 to 14/06/2018
36	Mali Sonam Vasant	Company	Vital Health Care Pvt. Ltd., NSK	07/06/2018 to 21/06/2018
37	Malode Pooja Madhukar	Wholesale	Om Sai Pharma, NSK	31/05/2018 to 14/06/2018
38	Nakarni Meha Shankar	Wholesale	Sairam Enterprises,NSK	31/05/2018 to 14/06/2018
39	Nawale Prajakta Rajendra	Wholesale	Sai Samarth Chemist and Drugist, NSK	30/05/2018 to 14/06/2018
40	Pandit Prathmesh Vikas	Wholesale	Surana agencies, NSK	31/05/2018 to 14/06/2018
41	Patare Rushikesh	Wholesale	Panchamrut Ayurvedic Bhandar, NSK	31/05/2018 to 14/06/2018

	Dyaneshwar			
42	Pathade Sachin Nandu	Wholesale	Vakrtund Medical Agency, NSK	31/05/2018 to 14/06/2018
43	Patil Anita Laxman	Blue cross, NSK	1/06/2018 to 15/06/2018	1/06/2018 to 15/06/2018
44	Patil Nikita Yuvraj	Manufacture	Cox Research Centre Pvt. Ltd., NSK	31/05/2018 to 14/06/2018
45	Patil Sonali Ravindra	Wholesale	Sairam Enterprises, NSK	31/05/2018 to 14/06/2018
46	Pawar Jayshree Hanumant	Wholesale	Om Sai Ram Med. And Gen. Stores, Yeola	31/05/2018 to 14/06/2018
47	Pawar Yogiraj Dhanraj	Wholesale	Fortune Biomedicals, NSK	31/05/2018 to 14/06/2018
48	Pinjari Shaista Shareef	Company	vital Health Care Pvt. Ltd., NSK	07/06/2018 to 21/06/2018
49	Raut Hemant Vishnu	Patho Lab.	Chikitsa Dignostik, NSK	31/05/2018 to 14/06/2018
50	Raut Manisha Manohar	Patho Lab.	Chikitsa Dignostik, NSK	31/05/2018 to 14/06/2018
51	Salunke Gaurav Bhimraj	Industry	Blue Cross Lab., NSK	1/06/2018 to 15/06/2018
52	Samruddhi Bhalchandra Kulkarni	Industry	Wockharbt Ltd. Aurangabad	31/05/2018 to 14/06/2018
53	Sandhan Swati Shivajirao	Wholesale	Chiranjiv Medical, Pimpalgaon	31/05/2018 to 14/06/2018
54	Shaikh Minhaz Parvin Jawed Hussain	Patho Lab.	Impact Dignostic Lab. NSK	5/06/2018 to 19/06/2018
55	Shinde Prakash Vilash	Wholesale	Om Sai Pharma, NSK	31/05/2018 to 14/06/2018
56	Shinde Rutuja Babasaheb	Industry	Blue Cross	1/06/2018 to 15/06/2018

57	Sinkar Pratik Sanjay	Wholesale	Prasu Pharma, NSK	31/05/2018 to 14/06/2018
58	Srivastva Shrey Ajay	Industry	Mylan Lab. Ltd., NSK	31/05/2018 to 14/06/2018
59	Sukenkar Shubhangi Sanjay	Company	vital Health Care Pvt. Ltd., NSK	07/06/2018 to 21/06/2018
60	Suryavanshi Mayuri Himmat	Industry	Kaytross ACG Life Sciences Ltd.,NSK	1/06/2018 to 15/06/2018
61	Suryavanshi Vallabh Devidas	Manufactu rer	Smaart P'ceuticals.,Jalgaon	31/05/2018 to 14/06/2018
62	Thakor Mayuri Dineshsingh	Industry	Vatsal Ayurvedic Product Pvt. Ltd. NSK	1/06/2018 to 15/06/2018
63	Thorat Divya Chandrakant	Industry	Kaytross ACG Life Sciences Ltd.,NSK	1/06/2018 to 15/06/2018
64	Deshmukh Rishikesh	Wholesale	Mhalsa Distributors, Pimpalgaon	31/05/2018 to 14/06/2018

**CAYm1 (2016-17)**

Year :T.Y. B.Pharm Academic Year : 2016-17

Total training period: 1<sup>st</sup> June to 15<sup>th</sup> June 2017

<b>Roll No.</b>	<b>Name of the Student</b>	<b>Unit</b>	<b>Unit Name &amp; location</b>	<b>Period</b>
1	Agrawal Rohan Vinod	Wholesale	Sai Ganesh medical,NSK	01/06/2017 to 15/06/2017
2	Bagal Poonam Bhaginath	Wholesale	Samikesha Medical, Lasalgaon	04/06/2017 to18/06/2017
3	Bairagi Ritu Ambadas	Patho lab.	Holden med. Lab.,NSK	03/06/2017 to 18/06/2017
4	Bam Sharda Uday	Patho Lab.	Vadnere Lab.,Jalgaon	01/06/2017 to 15/06/2017



5	Bangera Vini Ramesh	Ind.	Koral Pharma,NSK	01/06/2017 to 15/06/2017
6	Bankar Madhuri Suresh	Wholesale	D. Vijay pharma,,NSK	01/06/2017 to 15/06/2017
7	Barve Swati Subhash	Whole sale	Om Sai Pharma ,NSK	01/06/2017 to 15/06/2017
8	Bhamre Mahesh Arun	Patho lab.	Holden med. Lab.,NSK	03/06/2017 to 18/06/2017
9	Bhavar Ganesh Dattu	Wholesale	Om sai Pharma	1/06/2017 to 25/06/2017
10	Bhutekar Jakindhar Rameshwar	Ind.	Glaxo smithcline Pharmaceuticals,Ltd NSK	1/06/2017 to 30/06/2017
11	Borste Shubham Ramesh	Ind.	Glaxo smithcline Pharmaceuticals,Ltd, NSK	1/06/2017 to 30/06/2017
12	Borude Amol raosaheb	Wholesale	Omsai pharma,NSK	1/06/2017 to 15/06/2017
13	Chaudhari Sagar suresh	Ind.	Glaxo smith Pharmaceuticals,Ltd, NSK	1/06/2017 to 30/06/2017
14	Chavan Abhishek Sanjay	wholesale	Satyan pharma Agen.,NSK	02/06/2017 to 16/07/2017
15	Chavan Saurbh Balu	Ind.	PreciseChemi pharam, Mumbai	01/06/2017 to 15/06/2017
16	Darpe Dhanshree Baban	Hospital	Nitin Child Hospital, NSK	01/06/2017 to 15/06/2017
17	Deokute Janhvi Milind	Ind.	PreciseChemi pharam, Mumbai	01/06/2017 to 15/06/2017
18	Deore Nandalal Sanjay	Hospital	Suyash Hospital, Nasik	01/06/2017 to 15/06/2017
19	Deore Sagar Dadaji	Patho lab.	Holden medical lab.,NSK	01/06/2017 to 15/06/2017

20	Desale kanchan Kishor	Hospital	Maganum Heart Inst.,NSK	01/06/2017 to 15/06/2017
21	Desale Kiran Mahesh	Ind.	Delta Pharma.,NSK	01/06/2017 to 15/06/2017
22	Deshmukh Vishwalkumar Bharatbhai	Ind.	Blue Cross, Nasik	01/06/2017 to 15/06/2017
23	Dhamdhare Vaibhav Mahesh	Wholesale	Kiran Agencies	01/06/2017 to 15/06/2017
24	Dhanokar Shraddha Sunil	Wholesale	Kalika Agn., NSK.	01/06/2017 to 15/06/2017
25	Gaikwad Subhash Balu	Ind.	Glaxo smithcline Pharmaceuticals,Ltd NSK.	01/06/2017 to 30/06/2017
26	Gangurde Rahul Bapu	Ind.	Glaxo smithcline Pharmaceuticals,Ltd	01/06/2017 to 30/06/2017
27	Gatkal Pooja Vijay	Patho lab.	Holden medical lab.,NSK	03/06/2017 to 18/06/2017
28	Ghatkar Tejas Digambar	Patho lab.	Holden medical lab.,NSK	03/06/2017 to 18/06/2017
29	Ghodke Anuja Dattatray	Hospital	Sujata Birla hospital, Vedant medical,NSK	01/06/2017 to 15/06/2017
30	Jadhav Neha Suresh	Wholesale	Vardhaman Drug house , NSk	01/06/2017 to 15/06/2017
31	Jadhav Puja Aba	Wholesale	Vardhaman Drug house,Nsk	01/06/2017 to 15/06/2017
32	Joshi Gaytri Jitendra	Wholesale	Om sai Pharma ,NSK	01/06/2017 to 15/06/2017
33	Kadam Sayli Heramb	Ind.	Glenmark,NSK	01/06/2017 to 30/06/2017
34	Kasar Aniruddha S.	Patho Lab.	Holden medical lab.,NSK	03/06/2017 to 18/06/2017
35	Kirtne Sangmitra Subhash	Wholesale	Prashu Pharma	01/06/2017 to 15/06/2017

36	Mahale Aakansha Pramod	Hospital	Sampras Health crae, Musalgaon	01/06/2017 to 15/06/2017
37	Mahale Hema Bharat	Wholesale	Shri Kapaleshwar Medical,NSK	01/06/2017 to 15/06/2017
38	Mahale Kirti Dattatray	Wholesale	Siddharth Pharma ag.,NSK	01/06/2017 to 21/06/2017
39	Meditiya Rinku Himmatlal	Wholesale	Vardhaman Drug house	01/06/2017 to 15/06/2017
40	Meshram Chaitali Suresh	Medical	Rajmati Medicals,Nagpur	01/06/2017 to 15/06/2017
41	More Prajkta Shantaram	Wholesale	Prashu Pharma	01/06/2017 to 15/06/2017
42	More Pranjali Kiran	wholesale	Meena Ag.,NSK	01/06/2017 to 15/06/2017
43	Nikam Dhanwantri Balkrishna	Patho lab.	Holden med. Lab.,NSK	03/06/2017 to 18/06/2017
44	Nimbalkar Jagdish Kalyan	Ind.	Glaxo smithcline Pharmaceuticals,LtdNsk	03/06/2017 to 18/06/2017
45	Palwa Ajit Chandu	Wholesale	Kiran Agencies, Gole Colony	03/06/2017 to 18/06/2017
46	Pande Ashish Bhairviprasad	Ind.	Glaxo smithcline Pharmaceuticals,LtdNsk	1/06/2017 to 30/06/2017
47	Patil Minal Sharad	Wholesale	Om Sai Pharma	01/06/2017 to 15/06/2017
48	Pawar jay Wasudeo	Ind	Glaxo smithcline Pharmaceuticals,LtdNsk	1/06/2017 to 30/06/2017
49	Pawar Rahul Sumital	Ind	Glaxo smithcline Pharmaceuticals,LtdNsk	1/06/2017 to 30/06/2017
50	Potphode Vishal Ashok	Wholesale	Om sai Pharma ,NSK	1/06/2017 to 25/06/2017
51	Randive Prajkta Vijay	Wholesale	Vardhaman Drug house	01/06/2017 to 15/06/2017

52	Rayte Rushikesh Shivaji	Industrial	Glaxo Smithcline Pharmaceuticals,LtdNsk	12/06/2017 to 12/07/2017
53	Rote Vaibhavi Deepak	Wholesale	Meena Agn.,NSK	01/06/2017 to 15/06/2017
54	Sahu Mamta Bhagwanprasad	Industry	Vatsal ayurvedic Product, NSK	03/06/2017 to 18/06/2017
55	Salunke Minakshi Gorkgsing	Industry	Koral Pharma , NSK	01/06/2017 to 15/06/2017
56	Sarak Prajкта Rajkumar	Industry	Vatsal ayurvedic Product, NSK	03/06/2017 to 18/06/2017
57	Shewale Kalyani Hiraman	Wholesale	Meena Agn.,NSK	01/06/2017 to 15/06/2017
58	Shinde Snehal Sharad	Wholesale	Koral Pharma , NSK	01/06/2017 to 15/06/2017
59	Shinde Varsha Prakash	Patholab	Holden med. Lab.,NSK	03/06/2017 to 18/06/2017
60	Sisodiya Harsha Arvind	Wholesale	Shanti medical Ag., Vani	01/06/2017 to 15/06/2017
61	Sonawane Mugdha Balkrishna	Wholesale	Prashi Pharma, NSK	01/06/2017 to 15/06/2017
62	Suryawanshi Gaurav Santosh	Industry	Glaxo-Smithcline Pharmaceuticals,LtdNsk	01/06/2017 to 15/06/2017
63	Tidke Snehal Rajendra	Wholesale	Kalika Ag.,NSK	01/06/2017 to 15/06/2017
64	Wagh Dhanshri Satish	Industry	Koral Pharma , NSK	01/06/2017 to 15/06/2017
65	Wankhede Anuja Mohan	Wholesale	ACE life sciences,NSK	01/06/2017 to 15/06/2017
66	Wankhede Tanuja Mohan	Wholesale	ACE life sciences,NSK	01/06/2017 to 15/06/2017
67	Manoorkar	Wholesale	Ikshita Ag.Nsk	01/06/2017 to

	Prashant Balaji			15/06/2017
68	Gaware Rohini Balasaheb	Medical Store	Chaurang Medical ,Dindori	01/06/2017 to 15/06/2017

**CAYm2 (2015-16)****Year : S.Y. B.Pharm Academic Year : 2015-16****Total training period: 11/06/2016 to 25/06/2016**

<b>Roll No.</b>	<b>Name Of student</b>	<b>Unit</b>	<b>Unit Name &amp; location</b>	<b>Period</b>
1	Agrawal Rohan Vinod	Wholes ale	Sai Ganesh , NSK	11/06/2016 to 25/06/2016
2	Ambore Prashant Anandrao	-	-	Fail in S.Y.
3	Bagal Punam Bhaginath	Hos.Pha rmacy	Rural Hospital,Laslgaon	11/06/2016 to 25/06/2016
5	Bagate Gautum Maroti	-	-	Left
4	Bairagi Ritu Ambadas	Path Lab.	Holden medical lab. NSK	11/06/2016 to 25/06/2016
6	Bam Shradha Uday	QA – Ind.	Gripial Pharmaceuticals, NSK	11/06/2016 to 25/06/2016
7	Bande Rohan Vijaykumar	Wholes ale	Ganesh medical & General store, NSK	11/06/2016 to 25/06/2016
8	Bangera Vini Ramesh	Wholes ale	Uniswiss Pharma, NSK	11/06/2016 to 25/06/2016
9	Bankar Madhuri Suresh	Ind.	Sanpras Healthcare, Musalgaon	15/06/2016 to 30/06/2016
10	Barve Swati Subhash	Hospita l	Curie Manvata cancer center , NSK	11/06/2016 to 25/06/2016
11	Bhamare Mahesh Arun	Wholes ale	Om Sai Pharma, NSK	11/06/2016 to 25/06/2016
12	Bhavar Ganesh Dattu	Wholes ale	Om Sai Pharma, NSK	11/06/2016 to 25/06/2016
13	Bhutekar Jalinder	Wholes	Om Sai Pharma, NSK	11/06/2016 to

	Rameshwar	ale		25/06/2016
14	Boraste Shubham Ramesh	Wholesale	Uniswiss pharma, NSK	11/06/2016 to 25/06/2016
15	Borude Amol Raosaheb	Hospital	Curie Manvata cancer center , NSK	11/06/2016 to 25/06/2016
16	Chaudhari Sagar Suresh	Wholesale	Uniswiss pharma, NSK	11/06/2016 to 25/06/2016
17	Chavan Abhishek Sanjiv	wholesale	Atharav Medical ag. ,NSK	11/06/2016 to 25/06/2016
18	Chavan Saurabh Balu	Wholesale	Satyam Pharma ag.,NSK	11/06/2016 to 25/06/2016
19	Darpe Dhanashree Baban	Ind.	Blue cross pharmaceuticals, NSK	11/06/2016 to 25/06/2016
20	Deokute Janhavi Milind	Ind.	Glaxo Smithcline Pharmaceuticals,LtdNsk ,	16/06/2016 to 30/06/2016
21	Deore Nandlal Sanjay	Wholesale	Suyash Medical,NSK	11/06/2016 to 25/06/2016
22	Deshmukh Vishalkumar B	Ind.	Soul Remedies	11/06/2016 to 25/06/2016
23	Desale Kanchan Kishor	Hospital	Curie Manavata cancer res.,NSK	11/06/2016 to 25/06/2016
24	Desale Kiran Mahesh	Ind.	Delta Finochem, NSK	25/06/2016 to 24/07/2016
25	Dhamdhere Vaibhav Mahesh	Wholesale	Yashashree Pharma, NSK	11/06/2016 to 25/06/2016
26	Dhanokar Shraddha Sunil	Ind.	Glenmark,NSK	11/06/2016 to 25/06/2016
27	Gaikwad Subhash Walu	Ind.	Soul Remedies,NSK	11/06/2016 to 25/06/2016
28	Gangurde Rahul Bapu	Wholesale	Uniswiss Pharma , NSK	11/06/2016 to 25/06/2016
29	Gatkal Pooja Vijay	Wholesale	Trimurti Ag.,NSK	11/06/2016 to 25/06/2016

30	Gaware Rohini Balasaheb	Industry	Hexagaon Nutrition Pvt Ltd	11/06/2016 to 25/06/2016
31	Ghatkar Tejas Digambar	Wholsal e	Shri samarth Pharma	11/06/2016To 25/06/2016
32	Ghodke Anuja Dattatreya	Hospita l Attache d	Sujata Birla Hospital Vedant Medical, NSK	11/06/2016to 25/06/2016
33	Jadhav Neha Suresh	Hospita l Pharma	Sanjay Medical,NSK	11/06/2016 to 25/06/2016
34	Jadhav Puja Aba	Wholes ale	Vardhaman Drug House,NSK	11/06/2016 to 25/06/2016
35	Joshi Gayatri Jitendra	Ind.	Blue Cross, NSK	11/06/2016 to 25/06/2016
36	Kadam Sayali Heramb	Ind	Glenmarck, Nask	One month done
37	Kirtane Sanghmitra Subhash	Wholes ale	Shri Kapaleshwar Pharma, NSK	11/06/2016 to 25/06/2016
38	Mahale Akanksha Pramod	Ind.	Sci Tech specialities,NSK	16/06/2016 to 30/06/2016
39	Mahale Hema Bharat	Wholes ale	Chaudhary & CO., NSK	11/06/2016 to 25/06/2016
40	Mahale Kirti Dattatraya	Wholes ale	Arush ag.,NSK	06/07/2016 to 22/07/2016
41	Manoorkar Prashnat Balaji	Wholes ale	Ikshita Ag.,NSK	15/06/206 to 30/06/2016
42	Meditiya Rinku Himmatlal	Wholes ale	P.K. Ag.,NSK	11/06/2016 to 25/06/2016
43	Meshram Chaitali Suresh	Hospita l Pharm.	Shantimohan Hos., NSK	11/06/2016 to 25/06/2016
44	More Prajкта	Wholes	Abhinav ag.,NSK	11/06/2016 to

	shantaram	ale		25/06/2016
45	More Pranjali kiran	Wholesale	Abhinav ag.,NSK	11/06/2016 to 25/06/2016
46	Mote Gajanan Ramprasad	-	-	Left
47	Nikam Dhanvantari balkrishna	wholesale	Shrikapleshwar Pharma, NSK	11/06/2016 to 25/06/2016
48	Pande Aashish Bhairvprasad	Wholesale	Uniswiss pharma,NSK	11/06/2016 to 25/06/2016
49	Patil Minal Sharad	Ind.	Blue cross ,NSK	11/06/2016 to 25/06/2016
50	Patil Avinash Manikrao	-	-	Fail
51	Pawar Jay Wasudeo	Wholesale	M/SSangam Ag.,NSK	11/06/2016 to 25/06/2016
52	Pawar Rahul Sumatilal	Wholesale	M/SSangam Ag.,NSK	11/06/2016 to 25/06/2016
53	Potphode Vishal Ashok	Wholesale	Siddhivinayak pharma,NSK	11/06/2016 to 25/06/2016
54	Randive Prajaskta Vijay	Wholesale	Jeet Pharmaceuticals.,NSK	11/06/2016 to 25/06/2016
55	Rayate Rushikesh Shivaji	Wholesale	Uniswiss pharma ,NSK	11/06/2016 to 25/06/2016
56	Rote Vaibhavi Deepak	Hospital	Charugatri Medical & General store	11/06/2016 to 25/06/2016
57	Sahu Mamta bhagwanprasad	Ind.	Vatsal Ayur. Pharma,NSK	11/06/2016 to 25/06/2016
58	Salunke Meenakshi	Wholesale	Uniswiss pharma,NSK	11/06/2016 to 25/06/2016
59	Sarak Prajakta Rajkumar	Ind.	Vatsal Ayur. Pharma,NSK	11/06/2016 to 25/06/2016
60	Shewale Kalyani Hiranman	Hosp.	Charugatri medical,NSK	11/06/2016 to 25/06/2016



61	Shinde Prakash Vilas	Whole sale	Sai Pharma	11/06/2016 to 25/06/2016
62	Shinde Snehal sharad	Wholesale	Uniswiss Pharma, NSK	11/06/2016 to 25/06/2016
63	Shinde Varsha Prakash	Patho Lab.	Holden medical Lab.,NSK	11/06/2016 to 26/06/2016
64	Sisodiya Harsha Arvind	Wholesale	Jeet pharmaceuticals, NSK	11/06/2016 to 26/06/2016
65	Sonawane Mugdha Balkrishna	Hospital	Charugatri Medical & general stores	11/06/2016 to 26/06/2016
66	Suryawanshi Gaurav santosh	Ind.	Glaxo Smithcline Pharmaceuticals Ltd Nsk	11/06/2016 to 26/06/2016
67	Tidke Snehal Rajendra	Ind.	Glenmark,NSK	11/06/2016 to 26/06/2016
68	Valvi Nimajya Makatya	-	-	Left
69	Wagh Dhanashri Satish	Wholesale	Uniswiss Pharma. ,NSK	11/06/2016 to 26/06/2016
70	Wankhede Anuja Mohan	Lab	Hexon Lab., NSK	11/06/2016 to 26/06/2016
71	Wankhede Tanuja Mohan	Lab	Hexon Lab., NSK	11/06/2016 to 26/06/2016

Roll.No. 50 failed in academic year 2016-17, Roll No. 5,46,68 left the course inbetween.

**Year :** T .Y. B.Pharm      **Academic Year :** 2015 -16

**Total training period:** 11/06/2016 to 25/06/2016

Roll No.	Name Of student	Unit	Unit Name & location	Period
01	Aderao Krishna	Industry	Glaxosmitkline, Pharmaceuticals,LtdNsk	13/06/2016 to 28/06/2016

	Devidas			
02	Akkamwad Gajanan Balaji	Industry	Ayurved Pratishthan, NSK	11/06/2016 to 25/06/2016
03	Amritkar Rohini Dilip	Industry	Vatsal Ayurvedic Products Pvt. Ltd., NSK	11/06/2016 to 25/06/2016
04	Amrutkar Ankit Anil	Wholesale	Gayatry Agency, NSK	11/06/2016 to 25/06/2016
05	Awchar Arvind Ambadas	Industry	Blue cross, NSK	11/06/2016 to 25/06/2016
06	Bari Mayur Prabhakar	Industry	Indoco Remedies Ltd., Mumbai	13/06/2016 to 25/06/2016
07	Beldar Kareemoddin A.	Industry	Medisynth, Mumbai	13/06/2016 to 27/06/2016
08	Beldar Priti Narayan	Industry	Medisynth, Mumbai	13/06/2016 to 27/06/2016
09	Bhosle Saylee Deelip	Industry	Glenmark , NSK	21/06/2016 to 30/06/2016
10	Bhoye Dinesh Laxman	Industry	Ayurved Pratishthan, NSK	11/06/2016 to 25/06/2016
11	Bodke Pallvi Balasaheb	--	--	Fail
12	Borste Pooja Anandrao	Laboratories	Bini Laboratories Pvt. Ltd., NSK	11/06/2016 to 29/06/2016
13	Chavan Sharmishtha Ramesh	Industry	Vatsal Ayurvedic Products Pvt. Ltd., NSK	11/06/2016 to 25/06/2016
14	Dange Vinod Harishchandra	Wholesale	Yashashree Pharma, NSK	11/06/2016 to 25/06/2016
15	Darekar Priya Sanjay	Wholesale	Aher Medical Agency, Lasalgaon	11/06/2016 to 25/06/2016
16	Deore sagar dadaji	Industry	Blue Cross Pvt Ltd, Ambad, Nasik	11/06/2016 to 25/06/2016

17	Deore Pradnya Ashok	Industry	Macloids P'ceuticals, Daman	11/06/2016 to 25/06/2016
18	Deshmukh Gaytri D.	Wholesale	Sai Ashirvad Agency, NSK	11/06/2016 to 26/06/2016
19	Deshmukh Kunal Ravindra	Industry	Blue Cross Pvt Ltd, Ambad, Nasik	11/06/2016 to 25/06/2016
20	Dhage Nikhil Marotrao	--	--	Fail
21	Ekhande Pallavi Shivaji	Laboratories	Mylan Laboratories Ltd.,NSK	13/06/2016 to 27/06/2016
22	Francis Sophia Martin	Industry	Glaxosmitkline Pharmaceuticals,LtdNsk,	4/07/2016 to 4/08/2016
23	Gadekar Tushar Ashok	Industry	Ayurved Pratishthan, NSK	11/06/2016 to 25/06/2016
24	Gaikwad Deepika Subhash	Industry	Ayurved Pratishthan, NSK	11/06/2016 to 25/06/2016
25	Gangurde Jyoti Sharavan	Industry	Vatsal Ayurvedic Products Pvt. Ltd., NSK	11/06/2016 to 25/06/2016
26	Gawali Chhaya Hiraman	Industry	Vatsal Ayurvedic Products Pvt. Ltd., NSK	11/06/2016 to 25/06/2016
27	Gupta Bhumika Ravindra	Industry	Glaxosmitkline Pharmaceuticals,LtdNsk	27/06/2016 to 27/07/2016
28	Hadke Pooja Sitaram	Industry	Vatsal Ayurvedic Products Pvt. Ltd., NSK	11/06/2016 to 25/06/2016
29	Jadhav Shital Nagora	Wholesale	Kiran Agency, NSK	3/06/2016 to 15/06/2016
30	Jadhav Sujita Ramchandra	Wholesale	Yashashree Pharma, NSK	11/06/2016 to 25/06/2016

31	Jagtap Ashwini Devidas	Laboratories	Medibios Laboratories, Palghar	11/06/2016 to 25/06/2016
32	Jeughale Akshay Sarjerao	Industry	Megafine p'ceutical Pvt. Ltd., NSK	11/06/2016 to 25/06/2016
33	Jondhale Trupti Bhausahab	Wholesale	Sai Ashirvad Agency, NSK	11/06/2016 to 26/06/2016
34	Kankriya Tejas Sanjay	Industry	Megafine p'ceutical Pvt. Ltd., NSK	11/06/2016 to 25/06/2016
35	Katare Prachi Vinayak	Laboratories	Bini Laboratories Pvt. Ltd., NSK	11/06/2016 to 29/06/2016
36	Kawade Diksha Balasaheb	Wholesale	Sai Ashirvad Agency, NSK	11/06/2016 to 26/06/2016
37	Mahajan Mohitosh R.	Industry	Glenmark , NSK	21/06/2016 to 30/06/2016
38	Megha Sarkar	Laboratories	Medibios Laboratories, Palghar	11/06/2016 to 25/06/2016
39	More Bhakti Vasant	Industry	Glenmark , NSK	21/06/2016 to 30/06/2016
40	More Rohini Sanjay	Industry	Megafine p'ceutical Pvt. Ltd., NSK	11/06/2016 to 25/06/2016
41	Nale Shruti Ashok	Industry	Glaxosmitkline Pharmaceuticals,LtdNsk,	4/07/2016 to 4/08/2016
42	Nerkar Twinkale Rajendra	Industry	Glenmark , NSK	21/06/2016 to 30/06/2016
43	Pagar Kanchan Rajendra	Industry	Insto Cosmetics Pvt. Ltd., NSK	11/06/2016 to 25/06/2016
44	Pakhale Mayur Ravindra	Industry	Blue Cross Pvt Ltd, Ambad, Nasik	11/06/2016 to 25/06/2016

45	Pakhale Suraj Shirish	Industry	GlaxosmitklinePharmaceuticals,LtdNsk.	13/06/2016 to 28/06/2016
46	Pakhane Ashok Deoram	Industry	Medisynth, Mumbai	13/06/2016 to 27/06/2016
47	Palse Jagruti Namdeo	Laboratories	Mylan Laboratories Ltd.,NSK	11/06/2016 to 25/06/2016
48	Patil Aditi Kalpesh	Laboratories	Medibios Laboratories, Palghar	11/06/2016 to 25/06/2016
49	Patil Komlata Vilas	Industry	Glenmark , NSK	21/06/2016 to 30/06/2016
50	Patil Shreeraj Pramod	Industry	Medisynth, Mumbai	13/06/2016 to 27/06/2016
51	Pawar Sujit Ramesh	Industry	Vatsal Ayurvedic Products Pvt. Ltd., NSK	11/06/2016 to 25/06/2016
52	Rathod Ganesh Ashish	Industry	Indoco Remedies Ltd., Mumbai	13/06/2016 to 25/06/2016
53	Raut Suraj Anant	Wholesale	Sangam Agency, NSK	13/06/2016 to 25/06/2016
54	Salve Hemant Dhanraj	Industry	Medisynth, Mumbai	13/06/2016 to 27/06/2016
55	Shardul Kunal Ashok	Industry	Vatsal Ayurvedic Products Pvt. Ltd., NSK	11/06/2016 to 25/06/2016
56	Shewale Lalit Manohar	Industry	Vatsal Ayurvedic Products Pvt. Ltd., NSK	11/06/2016 to 25/06/2016
57	Shewale Priyanka Dhananjay	--	--	Fail
58	Shinde Kiran Dinkar	Industry	Glenmark , NSK	21/06/2016 to 30/06/2016
59	Shinde Mahsu Nathu	Wholesale	Sangam Agency, NSK	13/06/2016 to 25/06/2016
60	Shinde Pooja Prakash	Industry	Glenmark , NSK	21/06/2016 to 30/06/2016

61	Shinde Priynka Tukaram	Industry	Glenmark , NSK	21/06/2016 to 30/06/2016
62	Shinde Sainath Deorao	Wholesale	Sangam Agency, NSK	13/06/2016 to 25/06/2016
63	Singh Vikas Sanjeev	Industry	Vatsal Ayurvedic Products Pvt. Ltd., NSK	11/06/2016 to 25/06/2016
64	Tamboli Moin Ibrahim	--	--	Fail
65	Tapadiya Harish Bhagvandas	Wholesale	Sangam Agency, NSK	13/06/2016 to 25/06/2016
66	Thete Mayur Dinkar	Industry	Vatsal Ayurvedic Products Pvt. Ltd., NSK	11/06/2016 to 25/06/2016
67	Uttekar Priynka Sanjay	Wholesale	Satyam Pharma	11/06/2016 to 26/06/2016
68	Vaishnav Kajal Arvind	Wholesale	Satyam Pharma	11/06/2016 to 26/06/2016
69	Vanve Yogita Anil	Industry	Megafine Pharmaceutical Pvt Ltd, Nasik	11/06/2016 to 26/06/2016
70	Jadhav Devidas	--	--	Fail

Roll.No. 11,20,57,64,70 failed in academic year 2016-17

**2.2.6. Continuous Evaluation Process(10)**

*(Mention the process followed and its effectiveness)*

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

**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 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 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 applies for CAS, 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.

**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.



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
2.2	Teaching-Learning Processes (110)		
2.2.1	Initiatives in teaching and learning process	15	12
2.2.2	Quality of internal semester question papers, assignments and evaluation	20	15
2.2.3	Quality of Students projects	10	7
2.2.4	Initiatives related to Industry and/or Hospital Interaction	10	9
2.2.5	Initiatives related to skill Development programs/industry internship/summer training	20	17
2.2.6	Continuous Evaluation Process	10	8
2.2.7	Quality of Experiments	20	17
	<b>Total</b>	150	120

<b>CRITERION 3</b>	<b>Course Outcomes (COs) and Program Outcomes (POs)</b>	<b>100</b>
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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)

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

**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 2017-18**

**Table- 3.1.1: Course Outcomes**

#### **F. Y. B. Pharm.**

Course Name: Pharmaceutics I (1.1.1 T)

Study year 2017-18

CO	Students will be able to
C111T.1	Describe various routes of drug administration, concept of dosage forms, unit operations involved in preparation of these dosage forms.
C111T.2	Describe the history of pharmacy, development of pharmacy profession, industry in India & alternative system of medicines.
C111T.3	Explain the factors which influence the design of pharmaceutical dosage forms and the need for accuracy and thoroughness in manufacture of pharmaceutical products.
C111T.4	Describe in detail about various types of liquid dosage form.

Course Name: Pharmaceutics I (1.1.1 P)

Study year 2017-18

CO	Students will be able to
C111P.1	Explain formulation, evaluation and labelling requirement of aromatic water syrup elixirs
C111P.2	Perform pharmaceutical calculation to determine evaluation parameter like

	density viscosity specific gravity
C111P.3	Compare various monophasic preparation depending upon their formulation
C111P.4	Explain formulation, evaluation and labelling requirement of powder

Course Name: Pharmacognosy I (1.2.5 T)

Study year 2017-18

CO	Students will be able to
C125T.1	Illustrate relevance & significance of biology to Pharmaceutical Sciences.
C125T.2	Relate principles of genetics to crop improvement process
C125T.3	Explain basic components of cell, their functions & fundamental processes of cell division
C125T.4	Define Pharmacognosy & explain its development, & significance of natural products

Course Name: Pharmacognosy I (1.2.5 P)

Study year 2017-18

CO	Students will be able to
C125P.1	Demonstrate skill of plant material sectioning, staining, mounting and focusing.
C125P.2	Identify plant parts from its morphological and microscopical features by making use of theoretical and practical knowledge of morphology.
C125P.3	Identify and draw morphological and microscopical diagrams and be able to label the components.
C125P.4	Explain how to prepare sample for microtome sectioning and demonstrate handling of microtome.

**S.Y.B.Pharm**

Course Name: Pharmaceutical Biochemistry (2.3.3 T)

Study year 2017-18

CO	Students will be able to
C233T.1	Relate scope of biochemistry in Pharmacy.
C233T.2	Explain chemistry, classification, biological importance, of biomolecules.

C233T.3	Explain general metabolism process of proteins, carbohydrates, lipids and nucleic acids and correlate them.
C233T.4	Summarize classification, mechanism of activity, and applications of enzymes.

Course Name: Pharmaceutical Biochemistry (2.3.3 P)

Study year 2017-18

CO	Students will be able to
C233P.1	Apply qualitative tests for identification of biomolecules.
C233P.2	Find amount of Ascorbic acid in given sample
C233P.3	Explain gastric juice analysis, correlation of the acid content with disorders.
C233P.4	Demonstrate effect of salivary amylase on starch.

Course Name: Pharm Analysis II (2.4.4 T)

Study year 2017-18

CO	Students will be able to
C244T.1	Understand the basic principles of various analytical techniques.
C244T.2	Understand the instrumentation and its part of various analytical techniques.
C244T.3	Understand the Applications of various analytical techniques.
C244T.4	Classify various instruments ,chemical drug intermediates and API's, Excipients, Pharmaceutical formulation

Course Name: Pharm Analysis II (2.4.4 P)

Study year 2017-18

CO	Students will be able to
C244P.1	Understand and apply safety measures while handling instruments, chemical and apparatus in the laboratory.
C244P.2	Calibrate and handle the instrument in the laboratory.
C244P.3	Able to process, interpret data obtained through experiment and report the result.
C244P.4	Develop professional competence in planning, conducting, evaluating and reporting the results of investigation.

**T.Y.B.Pharm**

Course Name: Analytical Pharmacognosy &amp; Extraction Tech. (3.5.5 T) Study year 2017-18

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

Course Name: Analytical Pharmacognosy &amp; Extraction Tech. (3.5.5 P) Study year 2017-18

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

Course Name: Pharmacology III (3.6.4 T)

Study year 2017-18

CO	Students will be able to
C364T.1	Explain the pharmacology and pharmacotherapy of anaesthesia
C364T.2	Select rational approach and appropriate method in the management of patients with specific CNS disorders

C364T.3	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	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.

Course Name: Pharmacology III (3.6.4 P)

Study year 2017-18

CO	Students will be able to
C364P.1	Define OECD guidelines and ethical principles in acute and chronic oral toxicity study
C364P.2	Explain the bioassay and plan appropriate method of bioassay to analyze the effect of various drugs
C364P.3	Identify/ assess the effect of drug by using computerized simulated softwares
C364P.4	Discuss safety and socio-environmental issue in the pre-clinical screening of various drugs

**Final Year B.Pharm**

Course Name: Pharmacology IV (4.7.4 T)

Study year 2017-18

CO	Students will be able to
C474T.1	Classify, categorise and get in-depth knowledge about pharmacology and pharmacotherapy of drugs used in diseases.
C474T.2	Classify, categorise and get in-depth knowledge about pharmacology and pharmacotherapy of drugs used in cardiovascular disorders.
C474T.3	Classify, categorise and get in-depth knowledge about pharmacotherapy of drugs acting on kidney, blood and immune system
C474T.4	Understand and discover the role of antioxidants along with some safety issues

	in pharmacology
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Course Name: Pharmacology IV (4.7.4 P)

Study year 2017-18

CO	Students will be able to
C474P.1	Critically appraise and interpret various rational and irrational fixed dose combinations with respect to case study.
C474P.2	Relate oxidative stress with pathological conditions and experiment with antioxidants.
C474P.3	Determine efficacy and potency of test drug using different bioassays.
C474P.4	Review given prescription for its rational content.

Course Name: Cosmetic Science (4.8.2 T)

Study year 2017-18

CO	Students will be able to
C482T.1	Describe the formulation and evaluation various skin and hair cosmetics along with equipments for its manufacturing.
C482T.2	Explain the formulation and evaluation of various eye cosmetics and manicure products.
C482T.3	Explain the formulation and evaluation of baby cosmetics and dental care products.
C482T.4	Explain concept of cosmeceuticals along with use of various cosmeceutical agents-

Course Name: Cosmetic Science (4.8.2 P)

Study year 2017-18

CO	Students will be able to
C482P.1	Perform formulation, evaluation and labelling of skin cosmetics such as moisturizing cream, vanishing cream etc
C482P.2	Perform formulation, evaluation of eye cosmetics, manicure products,

	shampoos & bath products.
C482P.3	Perform formulation, evaluation & labelling baby products.
C482P.4	Perform formulation, evaluation & labelling of shaving cream and after shave preparations.

C111T 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.

### 3.1.2 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 and are critically reviewed in 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**

<b>Pharmac eutics - I (1.1.1.T)</b>	<b>Students will be able to C111T.1</b> Describe various routes of drug administration, concept of dosage forms, unit operations involved in preparation of these dosage forms.	3	-	2	1	-	2	1	-	1	-	3
	<b>C111T.2</b> Describe the history of pharmacy, development of pharmacy	3	-	1	2	-	2	2	-	2	-	3



	profession, industry in India & alternative system of medicines.											
	<b>C111T.3</b> Explain the factors which influence the design of pharmaceutical dosage forms and the need for accuracy and thoroughness in manufacture of pharmaceutical products.	3	1	2	2	-	2	1	-	1	-	3
	<b>C111T.4</b> Describe in detail about various types of liquid dosage form.	3	1	2	2	-	1	1	-	1	-	3
	<b>Average=1.29</b>	<b>3</b>	<b>0</b>	<b>1.7</b>	<b>2</b>	<b>-</b>	<b>1.</b>	<b>1</b>	<b>-</b>	<b>1.2</b>	<b>-</b>	<b>3</b>
			<b>.5</b>	<b>5</b>			<b>7</b>	<b>5</b>		<b>5</b>		
<b>Pharmaceutics-I (1.1.1.P)</b>	<b>Students will be able to</b>	3	2	1	1	-	1	1	-	1		3
	<b>C111P.1</b> Explain formulation, evaluation and labelling requirement of aromatic water syrup elixirs											
	<b>C111P.2</b> Perform pharmaceutical calculation to determine evaluation parameter like density viscosity specific gravity	3	2	1	1	-	-	-	-	1		3
	<b>C111P.3</b> Compare various monophasic preparation depending upon their formulation	3	2	1	1	-	1	1	-	1	1	3
	<b>C111P.4</b> Explain formulation, evaluation and labelling requirement of powder	3	1	1	1	-	1	1	-	1	1	3
	<b>Average = 1.16</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>0.</b>	<b>0.7</b>	<b>-</b>	<b>1</b>	<b>0.5</b>	<b>3</b>
			<b>.7</b>				<b>7</b>	<b>5</b>			<b>0</b>	

			<b>5</b>									
<b>Pharmacognosy Theory (1.2.5.T)</b>	<b>Students will be able to</b>											
	<b>C125T.1-</b> Illustrate relevance & significance of biology to Pharmaceutical Sciences.	3	-	-	-	-	2	1	1	2	-	2
	<b>C125T.2</b> Relate principles of genetics to crop improvement process	3	-	1	3	-	1	-	-	1	1	3
	<b>C125T.3</b> Explain basic components of cell, their functions & fundamental processes of cell division	3	-	-	2	-	1	-	-	-	-	2
	<b>C125T.4</b> Define Pharmacognosy & explain its development, & significance of natural products	3		1	2	-	2	1	1	2	1	2
	<b>Average = 1.06</b>	<b>3</b>	<b>-</b>	<b>0.5</b>	<b>1.75</b>	<b>-</b>	<b>1.5</b>	<b>0.5</b>	<b>0.5</b>	<b>1.25</b>	<b>0.5</b>	<b>2.25</b>
<b>Pharmacognosy- Practical (1.2.5.P)</b>	<b>Students will be able to</b>	3	2	1	2	3	2	2	3	3	2	3
	<b>C125P.1.</b> Demonstrate skill of plant material sectioning, staining, mounting and focusing.											
	<b>C125P.2.</b> Identify plant parts from its morphological and microscopical features by making use of theoretical and practical knowledge of morphology.	3	2	2	2	3	2	3	3	2	2	3
	<b>C125P.3.</b> Identify and draw morphological and microscopical diagrams and able to label the components.	3	3	1	2	2	2	2	3	1	2	2
	<b>C125P.4.</b> Explain how to prepare	3	3	3	3	2	2	3	2	2	2	3

	sample for microtome sectioning and demonstrate handling of microtome.											
	<b>Average = 2.36</b>	<b>3</b>	<b>2</b> <b>.</b> <b>5</b>	<b>1.7</b> <b>5</b>	<b>2.</b> <b>25</b>	<b>2.</b> <b>5</b>	<b>2</b>	<b>2.5</b>	<b>2.</b> <b>75</b>	<b>2</b>	<b>2</b>	<b>2.7</b> <b>5</b>
<b>Pharmac euthical Biochemi stry – Theory (2.3.3.T)</b>	<b>Students will be able to</b> <b>C233T.1</b> Relate scope of biochemistry in Pharmacy.	3	-	3	-	-	3	1	2	2	-	3
	<b>C233T.2</b> Explain chemistry, classification, biological importance, of biomolecules.	3	1	3	1	-	3	1	3	2	2	3
	<b>C233T.3</b> Explain general metabolism process of proteins, Carbohydrates lipids and nucleic acids and correlate them.	3	1	2	-	-	3	1	2	2	2	3
	<b>C233T.4</b> Summarize classification, mechanism of activity, and applications of enzymes.	3	1	2	-	-	2	1	2	2	-	3
	<b>Average=1.85</b>	<b>3</b>	<b>0</b> <b>.</b> <b>7</b> <b>5</b>	<b>2.5</b>	<b>0.</b> <b>25</b>	<b>-</b>	<b>2.</b> <b>7</b> <b>5</b>	<b>1.0</b>	<b>2.</b> <b>25</b>	<b>2.0</b>	<b>1.0</b>	<b>3</b>
<b>Pharm Biochemi stry- Practical (2.3.3.P)</b>	<b>Students will be able to</b> <b>C233P.1</b> Apply qualitative tests for identification of biomolecules.	3	3	3	-	2	2	3	3	1	1	3
	<b>C233P.2</b> Find amount of Ascorbic acid in given sample	3	3	3	-	1	2	3	2	1	3	3
	<b>C233P.3</b> Explain gastric juice analysis, correlation of the acid content with disorders.	3	3	2	-	1	2	2	2	2	-	3

	<b>C233P.4</b> Demonstrate effect of salivary amylase on starch.	3	3	2	1	1	2	2	2	2	2	3
	<b>Average = 2.06</b>	3	3	2.5	0.25	1.25	2	2.5	2.25	1.5	1.5	3
<b>Pharmaceutical Analysis II Theory (2.4.4T)</b>	<b>Students will be able to</b> <b>C244T.1:</b> Understand the basic principles of various analytical techniques.	3	2	1	2	2	2	2	3	2	1	3
	<b>C244T.2:</b> Understand the instrumentation and its part of various analytical techniques.	3	2	3	3	2	2	2	3	2	1	3
	<b>C244T. 3:</b> Understand the Applications of various analytical techniques.	3	3	3	2	3	2	2	2	2	1	3
	<b>C244T.4:</b> Classify various instruments ,chemical drug intermediates and API's, Excipients, Pharmaceutical formulation	3	2	2	3	3	2	2	3	1	1	3
	<b>Average =2.27</b>	3	2.25	2.25	2.5	2.5	2	2	2.75	1.75	1	3
<b>Pharmaceutical Analysis II Practical</b>	<b>Students will be able to</b> <b>C244P.1:</b> Understand and apply safety measures while handling instruments , chemical and apparatus in the laboratory	3	3	3	3	3	2	1	2	2	2	3

<b>(2.4.4.P)</b>	<b>C244P.2:</b> Calibrate and handle the instrument in the laboratory.	3	3	3	3	2	2	1	2	2	2	3
	<b>C244P.3:</b> Process ,interpret data obtained through experiment and report the result.	3	3	3	3	-	2	2	2	2	-	3
	<b>C244P.4:</b> Develop professional competence in the planning conducting , evaluation and reporting of the results of investigation.	3	3	3	3	2	2	2	2	2	2	3
	<b>Average =2.34</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>1.75</b>	<b>2</b>	<b>1.5</b>	<b>2</b>	<b>2</b>	<b>1.5</b>	<b>3</b>
<b>Analytical Pharmacognosy and Extraction Technique- (3.5.5.T)</b>	<b>Students will be able to C355T.1-</b> Capable to outline conventional & advance extraction techniques with principle, method, application, merits & demerits.	3	3	3	3	2	3	2	2	2	3	3
	<b>C355T.2-</b> Adept to explain principle and application of chromatographic and non- chromatographic separation techniques.	3	3	3	3	2	3	2	2	2	3	3
	<b>C355T.3-</b> Able to apply conventional and advance extraction methods for phytochemicals and draw schematic representation of it.	3	3	3	3	2	3	2	2	2	3	3
	<b>C355T.4 -</b> Analyze difficulties, social relevance, significance for evaluation of herbal drugs for quality control parameters as per WHO guidelines along with GLP and Current	3	3	3	3	2	3	2	2	2	3	3

	approaches for standardization of crude drugs.											
	<b>Average =2.64</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>3</b>
<b>Analytical Pharmacognosy and Extraction Technique- (3.5.5.P)</b>	<b>Students will be able to C355P.1-</b> Generate micrometric data as evaluation parameter for the crude drugs.	3	3	3	3	1	3	2	2	1	1	3
	<b>C355P.2</b> - Practice extraction techniques for isolation & characterization of phyto constituents from herbals by conventional as well as modern methods.	3	3	3	3	3	3	3	3	3	3	3
	<b>C355P.3-</b> Evaluate crude drugs for quality control parameters as per WHO guidelines.	3	3	3	3	3	3	3	3	3	3	3
	<b>C355P.4-</b> Apply chromatographic techniques for secondary metabolites.	3	3	3	3	3	3	3	3	3	3	3
	<b>Average =2.82</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2.5</b>	<b>3</b>	<b>2.75</b>	<b>2.75</b>	<b>2.5</b>	<b>2.5</b>	<b>3</b>
<b>Pharmacology III (3.6.4.T)</b>	<b>Students will be able to C364T.1</b> Explain the pharmacology and pharmacotherapy of anaesthesia.	3	2	2	1	1		1	2	1		3
	<b>C364T.2</b> Select rational approach and appropriate method in the management of patients with specific CNS disorders.	3	3	2	1	2	2	2	1	1	1	3
	<b>C364T.3</b> Recall the responsibility of pharmacist in the clinical management of alcoholics and take part in to assess societal, health, safety and socio-	3	2	2	2	2	3	2	2	3	2	3

	economic issues related with it.											
	<b>C364T.4</b> 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		2	1	1	2	1	3
	<b>Average = 1.84</b>	<b>3</b>	<b>2</b> <b>.</b> <b>2</b> <b>5</b>	<b>1.7</b> <b>5</b>	<b>1.</b> <b>5</b>	<b>1.</b> <b>2</b> <b>5</b>	<b>1.</b> <b>7</b> <b>5</b>	<b>1.5</b>	<b>1.</b> <b>5</b>	<b>1.7</b> <b>5</b>	<b>1</b>	<b>3</b>
<b>Pharmacology III (3.6.4.P)</b>	<b>Students will be able to C364P.1</b> Define OECD guidelines and ethical principles in acute and chronic oral toxicity study	3	-	-	3	1	2	3	1	1	1	3
	<b>C364P.2</b> Explain the bioassay and plan appropriate method of bioassay to analyze the effect of various drugs	3	3	2	3	1	1	1	-	1		3
	<b>C364P.3</b> Identify/ assess the effect of drug by using computerized simulated softwares	3	1	1	3		1	-	1	2	1	3
	<b>C364P.4</b> Discuss safety and socio-environmental issue in the pre-clinical screening of various drugs	3	1	1	2	2	2	3	2	2	2	3
	<b>Average = 1.70</b>	<b>3</b>	<b>1</b> <b>.</b> <b>2</b> <b>5</b>	<b>1</b>	<b>2.</b> <b>75</b>	<b>1</b>	<b>1.</b> <b>5</b>	<b>1.7</b> <b>5</b>	<b>1</b>	<b>1.5</b>	<b>1</b>	<b>3</b>
<b>Pharmacology-IV</b>	<b>Students will be able to C474T. 1-</b> Classify, categorise and get	3	1	3	1	-	3	2	2	2	1	3

<b>Theory (4.7.4.T)</b>	in-depth knowledge about pharmacology and pharmacotherapy of drugs used in diseases.											
	<b>C474T. 2.</b> Classify, categorise and get in-depth knowledge about pharmacology and pharmacotherapy of drugs used in cardiovascular disorders.	3	1	3	2	-	3	2	2	2	1	3
	<b>C474T. 3</b> Classify, categorise and get in-depth knowledge about pharmacotherapy of drugs acting on kidney, blood and immune system	3	-	3	1	-	3	2	2	2	1	3
	<b>C474T. 4</b> Understand and discover the role of antioxidants along with some safety issues in pharmacology	3	1	3	1	-	3	2	2	2	1	3
	<b>Average =1.91</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>1.</b>	<b>-</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>3</b>
			<b>.75</b>		<b>25</b>							
<b>Pharmacology-IV (4.7.4.P)</b>	<b>Students will be able to</b>	3	2	3	1	2	3	1	2	2	1	3
	<b>C474P. 1</b> –Critically appraise and to interpret various rational and irrational fixed dose combinations with respect to case study.											
	<b>C474P. 2</b> – Relate oxidative stress with pathological conditions and experiment with antioxidants.	3	2	3	2	2	2	2	1	2	1	3
	<b>C474P. 3</b> – Determine efficacy and potency of test drug using different bioassays.	3	3	2	2	1	1	1	1	1	2	3



	<b>C474P. 4</b> –Review given prescription for its rational content.	3	2	3	1	1	3	3	3	3	1	3
	<b>Average =2.09</b>	3	2 . 2 5	2.7 5	1. 5	1. 5	2. 2 5	1.7 5	1. 75	2	1.2 5	3
<b>Cosmetic Science Theory (4.8.2.T)</b>	<b>Students will be able to</b> <b>C482T.1</b> Describe the Formulation and evaluation various Skin and Hair cosmetics along with equipments for its manufacturing.	3	2	2	3	2	2	2	2	3	2	3
	<b>C482T.2</b> Explain the Formulation and evaluation of various eye cosmetics and manicure products.	3	2	1	3	2	1	2	2	2	2	3
	<b>C482T.3</b> Explain the Formulation and evaluation of Baby Cosmetics and Dental care products.	3	2	1	2	2	1	2	2	2	2	3
	<b>C482T.4</b> Explain concept of cosmeceuticals along with use of various cosmeceutical agents-	3	1	1	-	1	1	2	1	2	3	2
	<b>Average = 2</b>	3	1 . 7 5	1.2 5	2	1. 7 5	1. 2 5	2	1. 75	2.2 5	2.2 5	2.7 5
<b>Cosmetic Science (4.8.2.P)</b>	<b>Students will be able to</b> <b>C482P.1</b> Perform formulation, evaluation and labelling of skin cosmetics such as moisturizing cream, vanishing cream etc	3	2	2	2	2	2	2	2	3	2	3
	<b>C482P.2</b> Perform formulation,	3	2	2	2	2	2	2	2	2	2	3

	evaluation of eye cosmetics, manicure products, shampoos & bath products.											
	<b>C482P.3</b> Perform formulation, evaluation & labelling baby products.	3	2	1	2	2	2	2	2	3	2	3
	<b>C482P.4</b> Perform formulation, evaluation & labelling of shaving cream, after shave preparations.	3	2	1	2	1	1	2	2	2	2	3
	<b>Average = 2.18</b>	3	2	1.5	2	1.75	1.75	2	2.5	2.5	2	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. Course outcomes are attained through continuous assessment and internal examinations.
2. Each course outcome satisfied POs at different levels.
3. PO1and PO 11 is highly attained by all theory and Practical courses.
4. For practical courses PO 2 to PO 4 are highly attained compared to theory courses.

### **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 2017-18**

<b>Course</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>Avg</b>
<b>1.1.1T</b>	3	0.5	1.75	1.75	-	1.75	1.25	-	1.25	-	3	<b>1.29</b>
<b>1.1.1P</b>	3	1.75	1	1	-	0.75	0.75	-	1	0.50	3	<b>1.16</b>
<b>1.1.2T</b>	2.25	0.5	1.75	0.25	1.25	1.25	2.25	1	1.25	0.25	1	<b>1.20</b>
<b>1.1.2P</b>	2.5	0.75	1.75	1	1.25	1.25	1.5	0.75	1	0.25	2.25	<b>1.30</b>
<b>1.1.3T</b>	3	3	3	2.75	2	3	3	2.5	3	2.5	3	<b>2.80</b>
<b>1.1.3P</b>	3	3	3	2.5	2.25	3	3	2.75	3	2.5	3	<b>2.81</b>
<b>1.1.4T</b>	3	2	2	-	1	1	1	2	1	1	3	<b>1.54</b>
<b>1.1.4P</b>	3	2	2	-	1.5	1.5	1.5	2	1.25	1	3	<b>1.71</b>
<b>1.1.5T</b>	3	2	2	1.75	2	2.25	2.25	2.5	2.5	1.25	3	<b>2.23</b>
<b>1.1.5P</b>	3	2.25	2.25	1.75	2.5	2	2	2.75	2.75	1.5	3	<b>2.35</b>
<b>1.1.6T</b>	1	1.5	2.5	0.25	1	1.50	0.25	3	0.25	0.5	2	<b>1.27</b>
<b>1.2.1T</b>	3	1	1.25	1.25	-	1.00	0.75	-	0.50	0.50	3	<b>1.11</b>
<b>1.2.2T</b>	2.75	0.75	1.75	0.5	0.75	2.5	1.5	1.5	1	0.25	2.25	<b>1.41</b>
<b>1.2.2P</b>	2.75	2	1	1	1.5	1.75	1.5	0.75	0.75	0.25	1.5	<b>1.34</b>
<b>1.2.3T</b>	3	2	2	0.75	1	1	1	2	1.25	1.25	3	<b>1.66</b>
<b>1.2.3P</b>	3	2	2	-	2	1	2	2	1.25	1.25	3	<b>1.78</b>
<b>1.2.4T</b>	3	1	1	1	1	2	1	2	2	1.25	3	<b>1.67</b>
<b>1.2.4P</b>	3	2.25	1.75	1.75	2	2	2	2	2	1.25	3	<b>2.09</b>
<b>1.2.5T</b>	3	-	0.5	1.75	-	1.5	0.5	0.5	1.25	0.5	2.25	<b>1.06</b>

<b>1.2.5P</b>	3	2.5	1.75	2.25	2.5	2	2.5	2.75	2	2	2.75	<b>2.36</b>
<b>1.2.6T</b>	3	1.75	1.5	2	2.5	2.75	2	2.75	2.75	1	3	<b>2.27</b>
<b>1.2.6P</b>	3	3	3	2.25	2	2.75	3	2.75	3	2.75	3	<b>2.77</b>
<b>2.3.1T</b>	3	0.5	1.25	1.5	0.75	1.75	0.5	1	0.5	--	2	<b>1.16</b>
<b>2.3.1P</b>	3	1.75	1.5	1.75	1.5	0.75	0.25	1	0.5	0.5	1.5	<b>1.27</b>
<b>2.3.2T</b>	3	1.75	2.75	2.25	1.5	1.5	2.5	2	2	1.5	2.5	<b>2.11</b>
<b>2.3.2P</b>	3	1.75	2.75	2.25	1.5	1.5	2.5	2	2	1.5	2.5	<b>2.11</b>
<b>2.3.3T</b>	3	0.75	2.5	0.25	-	2.75	1.0	2.25	2.0	1.0	3	<b>1.85</b>
<b>2.3.3P</b>	3	3	2.5	0.25	1.25	2	2.5	2.25	1.5	1.5	3	<b>2.06</b>
<b>2.3.4T</b>	3	1.75	2.75	0.75	0.75	1.0	1.25	1.5	1.0	1.0	3	<b>1.52</b>
<b>2.3.4P</b>	3	2.75	3	0.75	1.75	1.5	2	2.25	1.5	0.5	3	<b>2.00</b>
<b>2.3.5T</b>	3	1.5	1.75	1.25	1	3	2	2	2	1	3	<b>1.95</b>
<b>2.3.6T</b>	3	2.5	2.25	2	1.25	3	2.25	2.75	2.75	2	3	<b>2.43</b>
<b>2.3.6P</b>	3	3	3	2.25	1.5	3	1.75	3	1.75	1.25	3	<b>2.40</b>
<b>2.4.1T</b>	3	0.75	2	--	0.75	--	--	--	--	1	2	<b>0.82</b>
<b>2.4.1P</b>	3	2.5	3	2	2	--	1	--	--	--	2	<b>1.41</b>
<b>2.4.2T</b>	3	1.75	1.5	1	1.5	2	2	3	2	2	3	<b>2.06</b>
<b>2.4.2P</b>	3	3	3	2.0	0.5	1.5	2	2.50	1.25	1.25	3	<b>2.09</b>
<b>2.4.3T</b>	3	3	2.75	2.75	2.25	2.75	2.5	2.75	3	2.5	3	<b>2.75</b>
<b>2.4.3P</b>	3	3	3	2.75	2	2.5	3	2.25	2.75	2.25	3	<b>2.68</b>

<b>2.4.4T</b>	3	2.25	2.25	2.5	2.5	2	2	2.75	1.75	1	3	<b>2.27</b>
<b>2.4.4P</b>	3	3	3	3	1.75	2	1.5	2	2	1.5	3	<b>2.34</b>
<b>2.4.5T</b>	3	2.5	2.5	2.5	2.25	2.5	2.25	2.5	2.5	1.75	3	<b>2.48</b>
<b>2.4.5P</b>	3	3	3	2.25	1.5	3	1.75	3	1.75	1.25	3	<b>2.41</b>
<b>2.4.6T</b>	3	1.75	2.75	2.25	1.5	1.5	2.5	2	2	1.5	2.5	<b>2.09</b>
<b>3.5.1T</b>	3	1.75	2	1.25		0.50	0.75		1.50		3	<b>1.25</b>
<b>3.5.1P</b>	3	1.75	1.25	1.25	-	1	1	-	1	1	3	<b>1.30</b>
<b>3.5.2T</b>	3	2	2	1.75	1	2	1	2	1.25	1.5	3	<b>1.86</b>
<b>3.5.2P</b>	3	3	3	3	2	2	1.75	2	1	1	3	<b>2.25</b>
<b>3.5.3T</b>	3	2	1	1	-	1	1	1	1	-	3	<b>1.27</b>
<b>3.5.3P</b>	3	2	2	1	-	1	1	1	1	1	3	<b>1.54</b>
<b>3.5.4T</b>	3	2	1	0.5	2	2.5	2.25	2	2.25	1.75	3	<b>2.01</b>
<b>3.5.4P</b>	3	1.75	2	2.75	1.5	1.75	2.25	1.5	1.25	1.5	3	<b>2.02</b>
<b>3.5.5T</b>	3	3	3	3	2	3	2	2	2	3	3	<b>2.64</b>
<b>3.5.5P</b>	3	3	3	3	2.5	3	2.75	2.75	2.5	2.5	3	<b>2.82</b>
<b>3.5.6T</b>	1.75	2.5	0.75	2	2	1.8	2.25	2.5	1.25	1.25	3	<b>1.91</b>
<b>3.5.7T</b>	3	1.4	1.6	1.2	-	1.8	1	-	-	1	2	<b>1.18</b>
<b>3.6.1T</b>	3	1	2	2	-	1	0.50	-	0.50	0.50	3	<b>1.22</b>
<b>3.6.1P</b>	3	2	2	2	-	1.25	1.25	-	1	0.50	3	<b>1.45</b>
<b>3.6.2T</b>	3	2	2	2	2	2	1	2	1	1.5	3	<b>1.95</b>

<b>3.6.2P</b>	3	3	2.75	3	2	2	2	2	1.5	1.5	3	<b>2.34</b>
<b>3.6.3T</b>	3	2	1	1	1	1	1	2	1.5	-	3	<b>1.50</b>
<b>3.6.3P</b>	3	2	2	1	1	1	2	1	1	1	3	<b>1.63</b>
<b>3.6.4T</b>	3	2.25	1.75	1.5	1.25	1.75	1.5	1.5	1.75	1	3	<b>1.84</b>
<b>3.6.4P</b>	3	1.25	1	2.75	1	1.5	1.75	1	1.5	1	3	<b>1.70</b>
<b>3.6.5T</b>	3	2.25	2.25	2.25	1.75	3	2.25	2.75	2.25	2.25	3	<b>2.45</b>
<b>3.6.5P</b>	3	3	3	3	2.75	3	2	3	1.5	1.75	3	<b>2.64</b>
<b>3.6.6T</b>	3	2.25	2.25	2	1	2	1	2	2.25	0.5	3	<b>1.93</b>
<b>3.6.7T</b>	3	2	2.5	2.75	1.75	2.5	3	2	3	2.25	2.75	<b>2.5</b>
<b>4.7.1T</b>	3	1	1.6	2.4	0.6	1.6	1	1.4	1.8	1.8	2.8	<b>1.73</b>
<b>4.7.1P</b>	3	1.8	1.8	1.8	1.8	1.6	1.2	1	1	1.4	1.8	<b>1.65</b>
<b>4.7.2T</b>	3	2	3	3	1	1	2	1	1	1	3	<b>1.9</b>
<b>4.7.2P</b>	2.5	1	2.5	2.5	1	1	1	2	2	1	3	<b>1.18</b>
<b>4.7.3T</b>	3	1.25	2.75	0.5	1.75	3	1.25	3	3	1.75	3	<b>2.30</b>
<b>4.7.3P</b>	3	3	3	1.75	1	1.5	2	2.50	1.25	1.75	3	<b>2.16</b>
<b>4.7.4T</b>	3	0.75	3	1.25	-	3	2	2	2	1	3	<b>1.91</b>
<b>4.7.4P</b>	3	2.25	2.75	1.5	1.5	2.25	1.75	1.75	2	1.25	3	<b>2.09</b>
<b>4.7.5T</b>	3	1.5	1.5	2.5	1	2	1.33	1.25	2.25	0.75	2.5	<b>1.78</b>
<b>4.7.5P</b>	3	1.75	1.5	2.5	-	2.25	1.33	-	1.5	-	2	<b>1.43</b>
<b>4.7.6T</b>	3	1.75	3	2	2	2	2.75	2	2	1	3	<b>2.22</b>
<b>4.7.7T</b>	3	2.5	2.25	1.5	2	2.25	2.5	2.25	2	1.75	1.5	<b>2.14</b>
<b>4.8.1T</b>	3	1.75	1.5	2.75	1.25	1.5	1.25	1	1.75	2	3	<b>1.89</b>
<b>4.8.1P</b>	3	2.75	2	2.25	1.25	1.5	1	1.75	0.5	1	2.75	<b>1.80</b>
<b>4.8.2T</b>	3	1.75	1.25	2	1.75	1.25	2	1.75	2.25	2.25	2.75	<b>2</b>

<b>4.8.2P</b>	3	2	1.5	2	1.75	1.75	2	2.5	2.5	2	3	<b>2.18</b>
<b>4.8.3T</b>	3	2	3	3	1	1	2	1	1	1	3	<b>1.9</b>
<b>4.8.3P</b>	2.5	1	2.5	2.5	1	1	1	2	2	1	3	<b>1.8</b>
<b>4.8.4T</b>	3	1.25	2.75	0.5	1.75	3	1.25	3	3	1.75	3	<b>2.20</b>
<b>4.8.4P</b>	3	3	3	1.75	1	1.5	2	2.50	1.25	1.75	3	<b>2.16</b>
<b>4.8.5T</b>	3	2.5	3	2	2.25	2.5	2.5	2.75	2.75	1.75	3	<b>2.54</b>
<b>4.8.5P</b>	3	2.5	3	1.5	2	2.5	2	1.75	1.5	0.25	3	<b>2.05</b>
<b>4.8.6T</b>	3	0.75	1	1.25	1.5	1.25	1	1.5	1	0	2.25	<b>1.32</b>
<b>4.8.7T</b>	3	2	2.5	2	1	1	1.5	1.75	1.25	1.25	1	<b>1.66</b>

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 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, assignments, MCQ.

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.

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 2017-18 target level is set for 50% for both theory and practical courses

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

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

If 70% of students have obtained marks above target level then attainment s 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, S.Y.B.Pharm,T.Y.B.Pharm	2017-18(2015)	40	60
Final Year B.Pharm	2017-18(2013)	30	70
F.Y.B.Pharm, S.Y.B.Pharm	2016-17(2015)	40	60
T.Y.B.Pharm, Final Year BPharm	2016-17(2013)	30	70
F.Y.B.Pharm	2015-16(2015)	40	60
S.Y.B.Pharm, T.Y.B.Pharm	2015-16(2013)	30	70
Final Year B.Pharm	2015-16(2008)	20	80

Accordingly calculations are made for all courses for all 2017-18, 2016-17 and 2015-16.

### **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 :

(2008 Pattern): 80% weightage is given to university examination and 20% weightage is given to internal assessment, the attainment calculations are as follows:

80% of 3+20% of 3: 2.4+0.6=3.

(2013 Pattern): 70% weightage is given to university examination and 30% weightage is given to internal assessment, the attainment calculations are as follows:

$$70\% \text{ of } 3 + 30\% \text{ of } 3: 2.1 + 0.9 = 3$$

(2015 Pattern): 60% weightage is given to university examination and 40% weightage is given to internal assessment, the attainment calculations are as follows:

$$60\% \text{ of } 3 + 40\% \text{ of } 3: 1.8 + 1.2 = 3$$

**Table 3.2.2: Attainment of Course Outcomes (2017-18)**

Course code	Course Name	University Attainment		Sessional Attainment		Attainment Level		% Attainment Achieved	Attainment in scale of 3
		100%	60%	100%	40%	Achieved	Required		
First Year B. Pharm(2015 Pattern)									
1.1.1T	Pharmaceutics I Theory	1	0.6	3	1.2	1.8	1.29	100	3
1.1.1P	Pharmaceutics I-Practical	3	1.8	3	1.2	3	1.16	100	3
1.1.2T	MDP-Theory	0	0	2	0.8	0.8	1.20	67	2
1.1.2P	MDP-Practical	2	1.2	3	1.2	2.4	1.30	100	3
1.1.3T	Pharmaceutical Inorganic Chemistry-Theory	0	0	1	0.4	0.4	2.80	14	0
1.1.3P	Pharmaceutical Inorganic Chemistry – Practical	3	1.8	3	1.2	3	2.81	100	3
1.1.4T	Pharmaceutical Organic	1	0.6	0	0	0.6	1.54	39%	0

	Chemistry I Theory								
1.1.4P	Pharmaceutical Organic Chemistry I Practical	3	1.8	3	1.2	3	1.70	100	3
1.1.5T	Human Anatomy and Physiology- I Theory	1	0.6	1	0.4	1	2.33	43	0
1.1.5P	Human Anatomy and Physiology- I Practical	3	1.8	3	1.2	3	2.35	100	3
1.1.6T	Communication and soft skill development	0	0	3	1.2	1.2	1.27	94	3
1.2.1T	Pharmaceuticals II Theory	1	0.6	3	1.2	1.8	1.11	100	3
1.2.2T	DFD Theory	0	0	2	0.8	0.8	1.41	57	1
1.2.2P	DFD Practical	2	1.2	3	1.2	2.4	1.34	100	3
1.2.3T	Pharmaceutical Organic Chemistry II Theory	0	0	3	1.2	1.2	1.65	73	3
1.2.3P	Pharmaceutical Organic Chemistry II Practical	3	1.8	3	1.2	3	1.78	100	3
1.2.4T	HAP II	1	0.6	3	1.2	1.8	1.67	100	3

	Theory								
1.2.4P	HAP II Practical	3	2.4	3	1.2	3	2.09	100	3
1.2.5T	Pharmacogn osy I Theory	0	0	3	1.2	1.2	1.06	100	3
1.2.5P	Pharmacogn osy I Practical	3	1.8	3	1.2	3	2.36	100	3
1.2.6T	Pharmaceuti cal Analysis I Theory	0	0	3	1.2	1.2	2.27	53	1
1.2.6P	Pharmaceuti cal Analysis I Practical	3	1.8	3	1.2	3	2.77	100	3
<b>Second Year B.Pharm (2015 Pattern)</b>									
2.3.1T	Physical Pharmacy I Theory	0	0	3	1.2	1.2	1.16	100	3
2.3.1P	Physical Pharmacy I Practical	3	1.8	3	1.2	3	1.27	100	3
2.3.2T	Pharmaceuti cal Microbiolog y	2	1.2	3	1.2	2.4	2.11	100	3
2.3.2P	Pharmaceuti cal Microbiolog y	3	1.8	3	1.2	3	2.11	100	3
2.3.3T	Pharmaceuti cal Bichemistry- Theory	0	0	3	1.2	1.2	1.85	65	2

2.3.3P	Pharmaceutical Bichemistry – Practical	1	0.6	3	1.2	1.8	2.06	100	3
2.3.4T	Pharmaceutical Organic Chemistry III Theory	0	0	3	1.2	1.2	1.52	79	3
2.3.4P	Pharmaceutical Organic Chemistry III Practical	3	1.8	3	1.2	3	2.00	100	3
2.3.5T	Pharmacology- Theory	2	1.2	1	0.4	1.6	1.95	82	3
2.3.6T	Pharmacognosy and Phytochemistry I-Theory	1	0.6	2	0.8	1.4	2.43	58	1
2.3.6P	Pharmacognosy and Phytochemistry I- Practical	3	1.8	3	1.2	3	2.40	80	3
2.4.1T	Physical Pharmacy II Theory	0	0	3	1.2	1.2	0.82	100	3
2.4.1P	Physical Pharmacy II Practical	3	1.8	3	1.2	3	1.41	100	3
2.4.2T	Pathophysiology & clinical Biochemistry	0	0	3	1.2	1.2	2.06	58	1

	Theory								
2.4.2P	Pathophysiology &clinical Biochemistry Practical	3	1.8	3	1.2	3	2.09	100	3
2.4.3T	Pharmaceutical Organic Chemistry IV-Theory	3	1.8	3	1.2	3	2.75	100	3
2.4.3P	Pharmaceutical Organic Chemistry IV Practical	3	1.8	3	1.2	3	2.68	100	3
2.4.4 T	Pharmaceutical Analysis II Theory	3	1.8	3	1.2	3	2.27	100	3
2.4.4P	Pharmaceutical Analysis II Practical	3	1.8	3	1.2	3	2.34	100	3
2.4.5T	Pharmacognosy and Phytochemistry II-Theory	3	1.8	3	1.2	3	2.48	100	3
2.4.5P	Pharmacognosy and Phytochemistry II- Practical	3	1.8	3	1.2	3	2.41	100	3
2.4.6T	Pharmaceutical Engineering	2	1.4	3	0.9	2.3	2.09	100	3



<b>Third Year B.Pharm (2015 Pattern)</b>									
3.5.1T	Industrial Pharmacy I Theory	3	1.8	3	1.2	3	1.25	100	3
3.5.1P	Industrial Pharmacy I- Practical	3	1.8	3	1.2	3	1.30	100	3
3.5.2T	Pharmaceutical Analysis III- Theory	1	0.6	3	1.2	1.8	1.86	97	3
3.5.2P	Pharmaceutical Analysis III- Practical	3	1.8	3	1.2	3	2.25	100	3
3.5.3T	Medicinal Chemistry I- Theory	3	1.8	3	1.2	3	1.27	100	3
3.5.3P	Medicinal Chemistry I- Practical	3	1.8	3	1.2	3	1.54	100	3
3.5.4T	Pharmacology- II-Theory	2	1.2	3	1.2	2.4	2.01	100	3
3.5.4P	Pharmacology- II-Practical	3	1.8	3	1.2	3	2.02	100	3
3.5.5T	Analytical Pharmacognosy and Extraction Technology- Theory	3	1.8	3	1.2	3	2.64	100	3
3.5.5P	Analytical Pharmacognosy and Extraction Technology- Practical	3	1.8	3	1.2	3	2.82	100	3

3.5.6T	Pharmaceutical Business management and Disaster management Theory	3	1.8	3	1.2	3	1.91	100	3
3.5.7T	Active Pharmaceutical Ingredient Technology- Theory	3	1.8	3	1.2	3	1.18	100	3
3.6.1T	Industrial Pharmacy II Theory	2	1.2	3	1.2	2.4	1.22	100	3
3.6.1P	Industrial Pharmacy II Practical	3	1.8	3	1.2	3	1.45	100	3
3.6.2T	Pharmaceutical Analysis IV- Theory	2	1.2	3	1.2	2.4	1.95	100	3
3.6.2P	Pharmaceutical Analysis IV Practical	3	1.8	3	1.2	3	2.34	100	3
3.6.3T	Medicinal Chemistry II- Theory	2	1.4	3	1.2	2.6	1.50	100	3
3.6.3P	Medicinal Chemistry II- Practical	3	1.8	3	1.2	3	1.63	100	3
3.6.4T	Pharmacology- II-Theory	2	1.2	3	1.2	2.4	1.84	100	3
3.6.4P	Pharmacology- II-Practical	3	1.8	3	1.2	3	1.70	100	3

3.6.5T	Natural Drug Chemistry Theory	3	1.8	3	1.2	3	2.45	100	3
3.6.5P	Natural Drug Chemistry Practical	3	1.8	3	1.2	3	2.64	100	3
3.6.6T	Bioorganic Chemistry and Drug design-Theory	3	1.8	3	1.2	3	1.93	100	3
3.6.7T	Pharmaceutical Biotechnology-Theory	3	1.2	3	1.8	3	2.5	100	3

**Final Year B.Pharm (2013 Pattern)**

Course code	Course name	University Attainment		Sessional Attainment		Attainment Level		%Attainment Achieved	Attainment in scale 3
		100%	70%	100%	30%	Achieved	Required		
4.7.1T	Sterile Products-Theory	0	0	3	0.9	1.8	1.73	100	3
4.7.1P	Sterile Products-Practical	3	2.1	3	0.9	3	1.65	100	3
4.7.2T	Pharmaceutical Analysis V-Theory	1	0.7	3	0.9	1.6	1.9	84	3
4.7.2P	Pharmaceutical Analysis V-Practical	3	2.1	3	0.9	3	1.18	100	3
4.7.3T	Medicinal Chemistry III-Theory	0	0	1	0.3	0.3	2.30	13	0
4.7.3P	Medicinal	3	2.1	3	0.9	3	2.16	100	3

	Chemistry III-Practical								
4.7.4T	Pharmacology- IV-Theory	3	2.1	0	0	2.1	1.91	100	3
4.7.4P	Pharmacology- IV- Practical	3	2.1	3	0.9	3	2.09	100	3
4.7.5T	Natural Drug Technology- Theory	1	0.7	3	0.9	1.6	1.78	100	3
4.7.5P	Natural Drug Technology- Practical	3	2.1	3	0.9	3	1.43	100	3
4.7.6T	Biopharmaceutics and Pharmacokinetics	3	2.1	2	0.6	2.7	2.22	100	3
4.7.7T	Pharmaceutical Jurisprudence	0	0	0	0	0	2.14	0	0
4.8.1T	Advanced Drug Delivery Systems- Theory	3	2.1	3	0.9	3	1.89	100	3
4.8.1P	Advanced Drug Delivery systems Practical	3	2.1	3	0.9	3	1.80	100	3
4.8.2T	Cosmetic Science-	3	2.1	3	0.9	3	2	100	3

	Theory								
4.8.2P	Cosmetic Science- Practical	3	2.1	3	0.9	3	2.18	100	3
4.8.3T	Pharmaceuti cal Analysis VI Theory	0	0	3	0.9	0.9	1.9	47	0
4.8.3P	Pharmaceuti cal Analysis VI Practical	3	2.1	3	0.9	3	1.8	100	3
4.8.4T	Medicinal Chemistry IV Theory	0	0	2	0.6	0.6	2.20	27	0
4.8.4P	Medicinal Chemistry IV Practical	3	2.1	3	0.9	3	2.16	100	3
4.8.5T	Pharmacolog y- V Theory	3	2.1	1	0.3	2.4	2.54	100	3
4.8.5P	Pharmacolog y- V Practical	3	2.1	3	0.9	3	2.05	100	3
4.8.6T	Natural Products: Commerce, Industry and regulations	1	0.7	3	0.9	1.6	1.32	100	3
4.8.7T	Quality Assurance Techniques	3	2.1	3	0.9	3	1.66	100	3

**Following are the conclusions drawn from analysis of results both internal and university examination 2017-18**

- Practicals: All courses (40) have attained 100% of aggregate of course outcomes.
- Theory : 39 courses (out of 52) 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:

<b>Assessing Tool</b>	<b>Frequency</b>	<b>Program outcome</b>
Internal examination Theory paper	Once per semester	PO1-PO4, PO6-PO9, PO 11
Internal Examination MCQ	Once per semester	PO1-PO4, PO6-PO9, PO 11
Internal Assignment Examination	Once per semester	PO1-PO4, PO6-PO9, PO 11
Internal Practical Examination	Once per semester	All POs
Internal Practical Continuous	Every practical	All POs

evaluation		
Internal Practical Assignment	Once per semester	PO1-PO4, PO6-PO9, PO 11
University Theory and Practical Examination	Once per semester	--

### 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
Staff 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 mark answer type questions. In case of internal practical examination, synopsis, major experiment, minor experiment, viva voce etc., are the components. 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 staff 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 3.3.1: Attainment of Program Outcomes: 2017-18.**

Course code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
111T	3	0.5	1.75	1.75	-	1.75	1.25	-	1.25	-	3
111P	3	1.75	1	1	-	0.75	0.75	-	1	0.50	3
112T	2.25	0.5	1.75	0.25	1.25	1.25	2.25	1	1.25	0.25	1
112P	2.5	0.75	1.75	1	1.25	1.25	1.5	0.75	1	0.25	2.25
113T	3	3	3	2.75	2	3	3	2.5	3	2.5	3
113P	3	3	3	2.5	2.25	3	3	2.75	3	2.5	3
114T	3	2	2	-	1	1	1	2	1	1	3
114P	3	2	2	-	1.5	1.5	1.5	2	1.25	1	3
115T	3	2	2	1.75	2	2.25	2.25	2.5	2.5	1.25	3
115P	3	2.25	2.25	1.75	2.5	2	2	2.75	2.75	1.5	3
116T	1	1.5	2.5	0.25	1	1.50	0.25	3	0.25	0.5	2
121T	3	1	1.25	1.25	-	1.00	0.75	-	0.50	0.50	3
122T	2.75	0.75	1.75	0.5	0.75	2.5	1.5	1.5	1	0.25	2.25
122P	2.75	2	1	1	1.5	1.75	1.5	0.75	0.75	0.25	1.5
123T	3	2	2	0.75	1	1	1	2	1.25	1.25	3
123P	3	2	2	-	2	1	2	2	1.25	1.25	3
124T	3	1	1	1	1	2	1	2	2	1.25	3



124P	3	2.25	1.75	1.75	2	2	2	2	2	1.25	3
125T	3	-	0.5	1.75	-	1.5	0.5	0.5	1.25	0.5	2.25
125P	3	2.5	1.75	2.25	2.5	2	2.5	2.75	2	2	2.75
126T	3	1.75	1.5	2	2.5	2.75	2	2.75	2.75	1	3
126P	3	3	3	2.25	2	2.75	3	2.75	3	2.75	3
231T	3	0.5	1.25	1.5	0.75	1.75	0.5	1	0.5	--	2
231P	3	1.75	1.5	1.75	1.5	0.75	0.25	1	0.5	0.5	1.5
232T	3	1.75	2.75	2.25	1.5	1.5	2.5	2	2	1.5	2.5
232P	3	1.75	2.75	2.25	1.5	1.5	2.5	2	2	1.5	2.5
233T	3	0.75	2.5	0.25	-	2.75	1.0	2.25	2.0	1.0	3
233P	3	3	2.5	0.25	1.25	2	2.5	2.25	1.5	1.5	3
234T	3	1.75	2.75	0.75	0.75	1.0	1.25	1.5	1.0	1.0	3
234P	3	2.75	3	0.75	1.75	1.5	2	2.25	1.5	0.5	3
235T	3	1.5	1.75	1.25	1	3	2	2	2	1	3
236T	3	2.5	2.25	2	1.25	3	2.25	2.75	2.75	2	3
236P	3	3	3	2.25	1.5	3	1.75	3	1.75	1.25	3
241T	3	0.75	2	--	0.75	--	--	--	--	1	2
241P	3	2.5	3	2	2	--	1	--	--	--	2
242T	3	1.75	1.5	1	1.5	2	2	3	2	2	3
242P	3	3	3	2.0	0.5	1.5	2	2.50	1.25	1.25	3
243T	3	3	2.75	2.75	2.25	2.75	2.5	2.75	3	2.5	3
243P	3	3	3	2.75	2	2.5	3	2.25	2.75	2.25	3
244T	3	2.25	2.25	2.5	2.5	2	2	2.75	1.75	1	3
244P	3	3	3	3	1.75	2	1.5	2	2	1.5	3
245T	3	2.5	2.5	2.5	2.25	2.5	2.25	2.5	2.5	1.75	3
245P	3	3	3	2.25	1.5	3	1.75	3	1.75	1.25	3
246T	3	1.75	2.75	2.25	1.5	1.5	2.5	2	2	1.5	2.5
351T	3	1.75	2	1.25		0.50	0.75		1.50		3
351P	3	1.75	1.25	1.25	-	1	1	-	1	1	3
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	2	2.5	2.25	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	3	3	3	3	2	3	2	2	2	3	3
355P	3	3	3	3	2.5	3	2.75	2.75	2.5	2.5	3
356T	1.75	2.5	0.75	2	2	1.8	2.25	2.5	1.25	1.25	3
357T	3	1.4	1.6	1.2	-	1.8	1	-	-	1	2
361T	3	1	2	2	-	1	0.50	-	0.50	0.50	3
361P	3	2	2	2	-	1.25	1.25	-	1	0.50	3
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	2.25	1.75	1.5	1.25	1.75	1.5	1.5	1.75	1	3
364P	3	1.25	1	2.75	1	1.5	1.75	1	1.5	1	3
365T	3	2.25	2.25	2.25	1.75	3	2.25	2.75	2.25	2.25	3
365P	3	3	3	3	2.75	3	2	3	1.5	1.75	3
366T	3	2.25	2.25	2	1	2	1	2	2.25	0.5	3
367T	3	2	2.5	2.75	1.75	2.5	3	2	3	2.25	2.75
471T	3	1	1.6	2.4	0.6	1.6	1	1.4	1.8	1.8	2.8
471P	3	1.8	1.8	1.8	1.8	1.6	1.2	1	1	1.4	1.8
472T	3	2	3	3	1	1	2	1	1	1	3
472P	2.5	1	2.5	2.5	1	1	1	2	2	1	3
473T	3	1.25	2.75	0.5	1.75	3	1.25	3	3	1.75	3
473P	3	3	3	1.75	1	1.5	2	2.50	1.25	1.75	3
474T	3	0.75	3	1.25	-	3	2	2	2	1	3
474P	3	2.25	2.75	1.5	1.5	2.25	1.75	1.75	2	1.25	3
475T	3	1.5	1.5	2.5	1	2	1.33	1.25	2.25	0.75	2.5

475P	3	1.75	1.5	2.5	-	2.25	1.33	-	1.5	-	2
476T	3	1.75	3	2	2	2	2.75	2	2	1	3
477T	3	2.5	2.25	1.5	2	2.25	2.5	2.25	2	1.75	1.5
481T	3	1.75	1.5	2.75	1.25	1.5	1.25	1	1.75	2	3
481P	3	2.75	2	2.25	1.25	1.5	1	1.75	0.5	1	2.75
482T	3	1.75	1.25	2	1.75	1.25	2	1.75	2.25	2.25	2.75
482P	3	2	1.5	2	1.75	1.75	2	2.5	2.5	2	3
483T	3	2	3	3	1	1	2	1	1	1	3
483P	2.5	1	2.5	2.5	1	1	1	2	2	1	3
484T	3	1.25	2.75	0.5	1.75	3	1.25	3	3	1.75	3
484P	3	3	3	1.75	1	1.5	2	2.50	1.25	1.75	3
485T	3	2.5	3	2	2.25	2.5	2.5	2.75	2.75	1.75	3
485P	3	2.5	3	1.5	2	2.5	2	1.75	1.5	0.25	3
486T	3	0.75	1	1.25	1.5	1.25	1	1.5	1	0	2.25
487T	3	2	2.5	2	1	1	1.5	1.75	1.25	1.25	1
<b>Direct</b>	<b>2.93</b>	<b>1.98</b>	<b>2.15</b>	<b>1.81</b>	<b>1.55</b>	<b>1.86</b>	<b>1.69</b>	<b>2.00</b>	<b>2.24</b>	<b>1.31</b>	<b>2.76</b>
<b>Indirect</b>	<b>2.33</b>	<b>2.33</b>	<b>2.33</b>	<b>2.33</b>	<b>2.33</b>	<b>2.33</b>	<b>2.33</b>	<b>2.0</b>	<b>2.33</b>	<b>2.0</b>	<b>2.33</b>
<b>80% of Direct</b>	<b>2.35</b>	<b>1.58</b>	<b>1.72</b>	<b>1.45</b>	<b>1.24</b>	<b>1.49</b>	<b>1.35</b>	<b>1.60</b>	<b>1.79</b>	<b>1.04</b>	<b>2.21</b>
<b>20% of Indirect</b>	<b>0.47</b>	<b>0.47</b>	<b>0.47</b>	<b>0.47</b>	<b>0.47</b>	<b>0.47</b>	<b>0.47</b>	<b>0.4</b>	<b>0.47</b>	<b>0.4</b>	<b>0.44</b>
<b>Total</b>	<b>2.79</b>	<b>2.02</b>	<b>2.16</b>	<b>1.89</b>	<b>1.68</b>	<b>1.93</b>	<b>1.75</b>	<b>2.04</b>	<b>2.23</b>	<b>1.44</b>	<b>2.65</b>

The following are the observations made:

From the calculations the results are tabulated as follows for the academic year 2017-18.

**PO1 and PO 11 is attained more than 85%,**

**PO2, PO3, PO4, PO6, PO8 and PO9 have attained between 60-75% and**

**PO5, PO7 and PO10 have attained less than 60%**

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	25
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	20
	<b>Total</b>	<b>100</b>	<b>85</b>

<b>CRITERION 4</b>	<b>Students' Performance</b>	180
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**4. Students' Performance (180)**

<b>Item</b>	<b>CAY (2017-18)</b>	<b>CAYm1 (2016-17)</b>	<b>CAYm2 (2015-16)</b>	<b>CAYm3 (2014-15)</b>
Sanctioned intake of the program ( <i>N</i> )	60	60	60	60
Total number of students admitted in first year( <i>N1</i> )	60	59	60	59
Number of students admitted in 2nd year in the same batch via lateral entry ( <i>N2</i> )	10	13	10	22
Total number of students admitted in the Program ( <i>N1 + N2</i> )	70	72	70	81

**4.1. Enrolment Ratio (20)**

Enrolment Ratio=  $N1/N$

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

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 (2017-18)	70	29			
CAY <sub>m1</sub> (2016-17)	72	22	49		
CAY <sub>m2</sub> (2015-16)	70	45	53	56	
CAY <sub>m3</sub> (2014-15)	81	34	40	38	50
CAY <sub>m4</sub> (LYG) (2013-14)	79	23	51	46	54
CAY <sub>m5</sub> (LYG <sub>m1</sub> ) (2012-13)	75	42	44	39	44
CAY <sub>m6</sub> (LYG <sub>m2</sub> ) (2011-12)	81	33	44	51	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 (Students with backlog in stipulated period of study)			
		I Year	II Year	III Year	IV Year
CAY (2017-18)	70	45			
CAY <sub>m1</sub> (2016-17)	72	44	53		
CAY <sub>m2</sub> (2015-16)	70	53	60	60	
CAY <sub>m3</sub> (2014-15)	81	48	63	58	50
CAY <sub>m4</sub> (LYG) (2013-14)	79	41	61	60	54
CAY <sub>m5</sub> (LYG <sub>m1</sub> ) (2012-13)	75	52	60	56	44
CAY <sub>m6</sub> (LYG <sub>m2</sub> ) (2011-12)	81	41	57	54	50

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

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

*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) (2016-17)	Latest Year of Graduation minus 1 (LYG m1) (2015-16)	Latest Year of Graduation minus 2 (LYG m2) (2014-15)
Number of students admitted in the corresponding First Year + admitted in 2 <sup>nd</sup> year via lateral entry	79	75	81
Number of students who have graduated without backlog in the stipulated period	54	44	50
Success index (SI)	0.683	0.586	0.617
Average SI	0.628		
<b>Success rate</b>	<b>Average SI x 30 = 0.628 x 30 = 18.84</b>		

**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)**

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

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

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

Item	Latest Year of Graduation (LYG) (2016-17)	Latest Year of Graduation minus 1 (LYG m1) (2015-16)	Latest Year of Graduation minus 2 (LYG m2) (2014-15)
Number of students admitted in the corresponding First Year + admitted in 2 <sup>nd</sup> year via lateral entry	79	75	81
Number of students who have graduated with backlogs in the stipulated period	54	44	50
Success index (SI)	0.683	0.586	0.617
Average SI	0.628		
<b>Success rate</b>	<b>Average SI x 20 = 0.628 x 20 = 12.56</b>		

#### 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 (16-17)	CAYm2 (15-16)	CAYm3 (14-15)
Mean of CGPA or Mean Percentage of all successful students (X)	60.647	61.763	61.673
Total no. of successful students (Y)	54	44	50
Total no. of students appeared in the examination (Z)	60	56	54
API = $x/10 * (Y/Z)$	5.4582 AP1	4.8483 AP2	5.7047 AP3
Academic Performance = Average API = $(AP1 + AP2 + AP3)/3$	<b>5.3370</b>		



**4.4. Academic Performance in Third Year (10)**

Academic Performance = Average API

*Academic Performance Index = ((Mean of 3<sup>rd</sup> 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 (16-17)	CAYm2 (15-16)	CAYm3 (14-15)
Mean of CGPA or Mean Percentage of all successful students (X)	57.039	58.781	58.142
Total no. of successful students (Y)	58	60	56
Total no. of students appeared in the examination (Z)	63	60	60
API = $x/10 * (Y/Z)$	5.2475 AP1	5.8781 AP2	5.4246 AP3
Academic Performance = Average API = $(AP1 + AP2 + AP3)/3$	<b>5.5167</b>		

**4.5. Academic Performance in Second Year (10)**

Academic Performance = Average API

*Academic Performance Index = (API) = ((Mean of 2<sup>nd</sup> 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 (16-17)	CAYm2 (15-16)	CAYm3 (14-15)
Mean of CGPA or Mean Percentage of all successful students (X)	62.893	57.64	58.868
Total no. of successful students (Y)	60	63	61
Total no. of students appeared in the examination (Z)	61	67	65

$API = x/10 * (Y/Z)$	6.1823 AP1	5.4181 AP2	5.5281 AP3
Academic Performance = Average API = $(AP1 + AP2 + AP3)/3$	<b>5.7674</b>		

#### 4.6. Academic Performance in First Year (20)

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

*Academic Performance Index (API) = ((Mean of 1<sup>st</sup> 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 (16-17)	CAYm2 (15-16)	CAYm3 (14-15)
Mean of CGPA or Mean Percentage of all successful students (X)	61.990	62.267	56.543
Total no. of successful students (Y)	44	53	48
Total no. of students appeared in the examination (Z)	52	57	57
$API = x * (Y/Z)$	5.2443 AP1	5.7846 AP2	4.7609 AP3
Average API = $(AP1 + AP2 + AP3)/3$	5.2632		
Academic Performance = $2.0 * \text{Average API}$	$2 \times 5.2632 = \mathbf{10.5264}$		

#### 4.7. Placement and Higher Studies (40)

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

ITEM	LYG (2016-17)	LYG (2015-16)	LYG (2014-15)
Total no. of final year students (N)	60	57	54
No. of student placed in industries/hospital/Govt. sector on & off campus recruitment or opted for Entrepreneurship (x)	25	17	18

No. of student Admitted to higher studies with valid score in various qualifying exams (y)	23	23	24
$x + y$	48	40	42
Placement index= $(x + y)/N$	0.8	0.70	0.77
T= average of $(x + y)/N$	0.75		
Assessment = $40 \times T$	<b>30</b>		

#### 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)
<b>Academic year 2015-16</b>				
Orientation	Orientation Program for Avishkar Competition	Sept 2015 MGV's Pharmacy College	SPPU	100
Zonal level Research competition	Avishkar	5 <sup>th</sup> October 2015, MGV's Pharmacy College	SPPU	478
Campaign	Social awareness regarding hygiene and cleanliness (Dental Check up)	MGV's Pharmacy College, Nashik	IPA	60
National Level Seminar	Recent Trends in Pharmacology	28-29 <sup>th</sup> January 2016, Auditorium Hall, MGV's Pharmacy College, Nashik	SPPU	62
Campaign	Road Safety Awareness Week	14 <sup>th</sup> January 2016, MGV	MGV	113
Event	NPW-(15-16)	Nashik Pharmacy colleges	IPA	Inter college Nasik Zone students

<b>Academic year 2016-17</b>				
State level seminar	Recent trends in Chromatographic Techniques in collaboration with WATERS	20 <sup>th</sup> October 2016, Auditorium Hall, MGV's Pharmacy College, Nashik	SPPU	80
Seminar	B.Pharm admission process guidance seminar	June 2016, Auditorium Hall, MGV's Pharmacy College, Nashik	IPA	50
Camp	Blood Donation	MGV's Pharmacy College	MGV	25
Event	Freedom Fortnight"- Azadi 70 -Yaad Karo Kurban	23 <sup>rd</sup> August 2016	MGV	200
Campaign	Participation in Maha Arogya Shibir	Golf Club, Nashik	Govt of Maharashtra	128
Campaign	Skin Check up by Dr. Amol Metkar	Sept 2016, MGV's Pharmacy College	IPA	58
Rally	Organ Donation Awareness	Golf Club Maidan, Nashik	IPA	20
National Level Seminar	Current Trends in Pharmaceutical Sciences	24 <sup>th</sup> -25 <sup>th</sup> January 2017, Auditorium Hall, MGV's Pharmacy College, Nashik	SPPU	84
Camp	Participation in Digi dhan camp	Thakkar's Dome, Nashik	Central Govt of India	15
Event	NPW-(16-17)	Nashik Pharmacy Colleges	IPA	Inter college Nasik Zone students
<b>Academic year 2017-18</b>				
Workshop	Novel Experimental Techniques in Preclinical	20 <sup>th</sup> November 2017, Auditorium Hall, MGV's	SPPU	44

	Research	Pharmacy College, Nashik		
National Level Seminar	Current Trends Development and Advancement in Drug Delivery System	January 2018, Auditorium Hall, MGV's Pharmacy College, Nashik	SPPU	30
Event	NPW-(17-18)	Nashik Pharmacy Colleges	IPA	Inter college Nasik Zone students
Demonstration	Awareness about hygiene and procedure for hand cleaning	MGV's Pharmacy College, Nashik	MGV	240
Field visit	Environment Science field visit	Dahanu	MGV	58

#### 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 <sup>th</sup> 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	MrsRupalli Patil	2006-07	Annually
Magazine	NECTAR	MrsRupalli 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	Dr. M. Mohan	2015-16	Once

	Recent Trends 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. K.R. Karmarkar	2017-18	Once

#### 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)

##### Academic Year 2015-16

Name of student/s	Event	Activity	Organised by	Participated/Awards
Mr. Vallabh Suryavanshi, Mr. Mangesh Kapade, Ms. Samruddhi Kulkarni, Ms. Rutuja Shinde and Ms. Swati Gore	NPW -16	Group Singing Competition	IPA	Participated
Mr. Shrey Srivastava	NPW-16	Group Discussion Competition	IPA	First Position
Ms. Samruddhi Kulkarni	NPW-16	Solo Singing Competition	IPA	First Position
Ms. Sophia Francis	NPW-16	Debate Competition	IPA	First Position
Mr. Rushikesh Patare	NPW-16	Chess Competition	IPA	First Position
Mr. Rushikesh Patare,	NPW-16	Table Tennis	IPA	Participated

Mr. Pratik Sinkar, Mr. Bhushan Mahajan				
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**Academic Year 2016-17**

<b>Name of student</b>	<b>Event</b>	<b>Activity</b>	<b>Organised by</b>	<b>Awards</b>
Mr. Vallabh Suryavanshi, Mr. Pratik Katare, Ms. Samruddhi Kulkarni, Ms. Rutuja Shinde and Ms. Swati Gore	NPW-17 (02- 09 Jan 2017)	Group Singing Competition	IPA	First Position
Mr. ShreySrivastava, Mr. Amol Joshi and Mr. Shrikant Lakhe	NPW-17(02- 09 Jan 2017)	Quiz competition	IPA	Participated
Mr. Shrey Srivastava and Mr. Vallabh Suryavanshi	NPW-17(02- 09 Jan 2017)	Debate competition	IPA	Second position
Ms Swati Sandhan	NPW-17(02- 09 Jan 2017)	Elocution competition	IPA	Second position
Mr. Vallabh Suryavanshi	MGV Mahotsav	Poetry recitation	MGV	First position
Ms. Samruddhi Kulkarni	MGV Mahotsav	Solo singing	MGV	First position
Mr. Pratik Ravindra Katare	NPW	Pharma Fancy Dress competition	IPA	Participated
Mr. Pratik Ravindra Katare	22 <sup>nd</sup> LVH State level intercollegiate Debating competition	Debate competition	IPA	Participated

**Academic Year 2017-18**

<b>Name of student</b>	<b>Event</b>	<b>Activity</b>	<b>Organised by</b>	<b>Awards</b>
Mr. Vallabh Suryavanshi, Mr. Shrey Srivastava	NPW-18(22- 30 Jan 2018)	Debate competition	IPA	Participated
Mr. Vallabh Suryavanshi, Mr. Pratik Katare, Ms. Samruddhi Kulkarni,	NPW-18(22- 30 Jan 2018)	Group Singing competition	IPA	First Position

Ms. Rutuja Shinde, Mr. Pratik Sajgure, Mr. Prakash Shinde and MsLaalan Kulkarni				
Ms. Samruddhi Kulkarni	NPW-18(22- 30 Jan 2018)	Solo Singing Competition	IPA	First Position
Mr. Pratik Katare	NPW-18(22- 30 Jan 2018)	Dance	IPA	Participated
Mr. Pratik Katare	NPW-18(22- 30 Jan 2018)	Blood donation	IPA	Participated
Mr. Pratik Katare	NPW-18(22- 30 Jan 2018)	Skit	IPA	Participated
Mr. GhatkerTejas, Ms. Sonali Patil, Ms. Priyanka Binnar, Ms. Sonam Mali, MsMehaNakrani, MsPinjariShaista, Mr. Kakad Prasad	NPW-18(22- 30 Jan 2018)	Fancy Dress competition	IPA	Second Position
Mr. SayliErande and Pratik Katare	NPW-18(22- 30 Jan 2018)	Carrom	IPA	Second Position
Mr. Vallabh Suryavanshi	MET	Win it in a minute (Poetry reading)	BKC trust	Participated
Mr. Vallabh Suryavanshi, Mr. Pratik Sinkar, Mr. Bhushan Mahajan	MET	Industrial Problem Solving	BKC trust	First Position
Ms. Lalita Joshi, Ms. ShubhangiSukenkar, Mr. RushikeshPatare	MET	Industrial Problem Solving	BKC trust	Participated
Mr. Pratik Sinkar	MET	Placement Practices	BKC trust	Participated
Mr. Shrey Srivastava	MET	Placement Practices	BKC trust	Participated
Ms. Aishwarya Chumbale and team	NPW	Throwball competition	IPA	Participated
Ms. Aishwarya Chumbale, Ms Kaveri Mokat	NPW	Cricket	IPA	Participated
Ms Kaveri Mokat, Ms Rupali Kanade and team	NPW	Kho-Kho	IPA	Participated



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	19
4.2.2	Success rate with backlog in stipulated period of study	20	13
4.3	Academic Performance in Final Year	10	05
4.4	Academic Performance in Third Year	10	06
4.5	Academic Performance in Second Year	10	06
4.6	Academic Performance in First Year	20	11
4.7	Placement and Higher Studies (40)	40	30
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
	<b>Total</b>	<b>180</b>	<b>130</b>

<b>CRITERION 5</b>	<b>Faculty Information and Contributions</b>	<b>175</b>
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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  $\geq 12$  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(2017-18), CAYm1: Current Assessment Year minus 1(2016-17), CAYm2: Current Assessment Year minus 2(2015-16)**

**Assessment year: 2017-2018(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. Santosh Ranganath Tambe	Ph.D.	SPPU, Pune	2016	Regular	Principal/ Asso. Prof.	01/04/2017	Pharma-chemistry	Pharma-chemistry	02	--	--	--	--
02	Dr. Sunil Kashinath Mahajan	Ph.D.	NMU, Jalgoan	2013	Regular	Prof.	20/10/2003	Pharma-chemistry	Pharma-chemistry	--	--	--	--	--
03	Dr. Mahalax	Ph.D.	MS	2007	Regular	Prof.	14/07/2015	Pharma-	Pharma-	04	0	--	--	Orc

	mi Mohan		University, Baroda					cology	cology		2			hid Sci.
04	Mr. Ambadas Rangnath Rote	M.Pharm	DAVV University, Indore	1996	Regular	Asso. Prof.	01/12/1998	Pharma- chemistry	Pharma- chemistry	--	--	--	--	--
05	Dr. Jitendra Yadav Nehete	Ph.D.	Shivaji University, Kolhapur	2010	Regular	Asso. Prof.	05/08/2008	Pharma- cognosy	Pharma- cognosy	--	0 2	--	--	--
06	Dr. Ritesh Ramesh Karmarkar	Ph.D.	Hamdard University, New Delhi	2007	Regular	Asso. Prof.	01/08/2011	Pharma- ceutics	Pharma- ceutics	--	--	--	--	--
07	Dr.Tushar Narendra Lokhande	Ph.D.	University of Mumbai	2007	Regular	Asso. Prof.	03/08/2012	Pharma- chemistry	Pharma- chemistry	--	0 2	--	--	--
08	Dr.Mrs. Daksha Lalit Attarde.	Ph.D.	SPPU, Pune	2018	Regular	Asst. Prof.	20/06/2005	Pharma- cognosy	Pharma- cognosy	--		Y		
09	Dr. Mrs.Manisha Ashwin Tayade	Ph.D.	JNTU, Hydrabad	2016	Regular	Asst. Prof.	05/09/2006	Pharma- chemistry	Pharma- chemistry	01	--	--	SPP U	--
10	Dr.Mrs. Suvarna Abhijit Katti	Ph.D.	SPPU, Pune	2018	Regular	Asst. Prof.	01/12/2006	Pharma- chemistry	Pharma- chemistry	02	--	Y	SPP U	--
11	Mr. Bhushan Panditrao Wagh	M.Pharm	Annmalai University, Chennai	2007	Regular	Asst. Prof.	19/11/2008	Pharma- ceutics	Pharma- ceutics	--	--	--	--	--
12	Mr. Kiran Bhausahab Erande	M.Pharm	Nagpur University, Nagpur	2001	Regular	Asst. Prof.	18/05/2009	Quality Assurance	Quality Assuranc e	--	--	--	--	--
13	Dr. Ashish Yashwantrao Pawar	Ph.D.	Shri JJT University, Rajasthan	2012	Regular	Asst. Prof.	12/10/2010	Pharma- ceutics	Pharma- ceutics	--	--	--	--	--
14	Mr. Khanderao	M.Pharm	Annamalai University,	2007	Regular	Asst. Prof.	01/07/2011	Quality Assurance	Quality Assuranc	--	--	--	--	--

	Rajaram Jadhav		Chennai						e					
15	Mr. Ravindra Dattaray Pathak	B.Sc,MC A	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	--	--	--	--	--
17	Mrs. Anuja Prabhakar Bhosale	M.Pharm	SPPU, Pune	2010	Regular	Asst. Prof.	04/12/2012	Pharmaceuticals	Pharmaceuticals	01	--	--	--	--
18	Mrs. Vrushali Ramesh Jadhav	M.Pharm	SPPU, Pune	2010	Regular	Asst. Prof.	12/03/2013	Pharmaceuticals	Pharmaceuticals	--	--	--	--	--
19	Mrs. Sonali Dilip Pawar	M.Pharm , MBA	SPPU, Pune	2017	Regular	Asst. Prof.	09/10/2017	Pharmaceuticals	Pharmaceuticals	--	--	--	--	--
20	Mr. Manish Shrikrishna Junagade	M.Pharm	DAVV University, Indore	1996	Regular	Asso. Prof.	01/10/1996	Pharmaceuticals	Pharmaceuticals	--	--	--	--	--
21	Dr. Mrs. Rupali Arun Patil	Ph.D.	JNTU, Hyderabad	2014	Regular	Asso. Prof.	09/10/2006	Pharmacology	Pharmacology	--	--	--	--	--
22	Dr. Pankaj Shahajirao Patil	Ph.D.	TNDRMGR Medical University, Chennai	2013	Regular	Asso. Prof.	22/01/2018	Pharmacology	Pharmacology	--	--	--	--	--
23	Dr. Patole Rahul Kashinath	Ph.D.	UICT, Mumbai	2013	Regular	Asso. Prof.	10/02/2018	Pharmaceuticals	Pharmaceuticals	--	--	--	--	--
24	Ms. Aishwarya Sunil Gadkari	M.Pharm	SPPU, Pune	2017	Contract	Asst. Prof.	02/08/2017	Pharmacology	Pharmacology	--	--	--	--	--

25	Mr. Deepak Ramchandra Varkute	B.Pharm., MBA	SPPU, Pune	1999	Contract	Asst. Prof.	19/06/2017	Pharmaceutical sciences	Marketing	--	--	--	--	--
26	Mr. Dileep Nivrutti Rasal	B.Pharm. MBA.	SPPU, Pune	1998	Contract	Asst. Prof.	19/06/2017	Pharmaceutical sciences	Marketing	--	--	--	--	--
27	Mrs. Anjali Milind Kataria.	M.Pharm	SPPU, Pune	2014	Contract	Asst. Prof.	19/06/2017	Q.A.	Q.A.	--	--	--	--	--
28	Mr. Deepak Digambar Walekar	M.Pharm .	SPPU, Pune	2010	Contract	Asst. Prof.	19/06/2017	Pharmaceutical sciences	Pharmaceutical sciences	--	--	--	--	--
29	Mr. Tushar Pandit Mahajan	B.Pharm. PGDBM.	SPPU, Pune	2000	Contract	Asst. Prof.	19/06/2017	Pharmaceutical sciences	Marketing	--	--	--	--	--
30	Mr. Dilip Tukaram Kawale	B.Pharm	SPPU, Pune	1987	Contract	Asst. Prof.	19/06/2017	Pharmaceutical sciences	Formulation	--	--	--	--	--
31	Mr. Santosh Eknath Akade	M.Pharm	SPPU, Pune	1990	Contract	Asst. Prof.	19/06/2017	Pharmaceutical sciences	Pharmaceutical sciences	--	--	--	--	--

**Table B.5**

## Assessment Year: 2016-2017 (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	22/06/2011	Pharmacognosy	Pharmacognosy	05	07	--	--	--
02	Dr. Sunil Kashinath Mahajan	Ph.D.	NMU, Jalgaon	2013	Regular	Professor	20/10/2003	Pharmachemistry	Pharmachemistry	02	--	--	--	--
03	Mr. Ambadas Rangnath Rote	M.Pharm	DAVV University , Indore	1996	Regular	Asso. Prof.	01/12/1998	Pharmachemistry	Pharmachemistry	01	--	--	--	--
04	Dr. Jitendra Yadav Nehete	Ph.D.	Shivaji University , Kolhapur	2010	Regular	Asso. Prof.	05/08/2008	Pharmacognosy	Pharmacognosy	--	--	--	--	--
05	Dr. Mahalaxmi Mohan	Ph.D.	MS University , Baroda	2007	Regular	Professor	14/07/2015	Pharmacology	Pharmacology	12	02	--	ASV Nas	ASV Nas

													hik	hik
06	Mr. Manish Shrikrishna Junagade	M.Pharm	DAVV University, Indore	1996	Regular	Asso. Prof.	01/10/1996	Pharmaceuticals	Pharmaceuticals	03	--	--	--	--
07	Dr. Mrs. Rupali Arun Patil	Ph.D.	JNTU, Hyderabad	2014	Regular	Asso. Prof.	09/10/2006	Pharmacology	Pharmacology	01	--	--	--	--
08	Dr. Ritesh Ramesh Karmarkar	Ph.D.	Hamdard University New Delhi	2007	Regular	Asso. Prof.	01/08/2011	Pharmaceuticals	Pharmaceuticals	--	--	--	--	--
09	Dr. Tushar Narendra Lokhande	Ph.D.	University of Mumbai	2007	Regular	Asso. Prof.	03/08/2012	Pharmaceuticals	Pharmaceuticals	--	--	--	--	--
10	Mrs. Daksha Lalit Attarde.	M.Pharm	SPPU, Pune	2000	Regular	Asst. Prof.	20/06/2005	Pharmacognosy	Pharmacognosy	04	--	--	--	--
11	Dr. Mrs. Manisha Ashwin Tayade	Ph.D.	JNTU, Hyderabad	2016	Regular	Asst. Prof.	05/09/2006	Pharmaceuticals	Pharmaceuticals	--	--	--	--	--
12	Mrs. Suvarna Abhijit Katti	M.Pharm	SPPU, Pune	1997	Regular	Asst. Prof.	01/12/2006	Pharmaceuticals	Pharmaceuticals	06	--	--	--	--
13	Mr. Bhushan Panditrao Wagh	M.Pharm	Annamalai University, Chennai	2007	Regular	Asst. Prof.	19/11/2008	Pharmaceuticals	Pharmaceuticals	--	--	--	--	--
14	Mr. Kiran Bhausaheb Erande	M.Pharm	Nagpur University Nagpur	2001	Regular	Asst. Prof.	18/05/2009	Quality Assurance	Quality Assurance	04	--	--	--	--

15	Dr. Pawar Ashish Yashwantrao	Ph.D.	Shri JTT University , Rajasthan	2012	Regular	Asst. Prof.	12/10/2010	Pharmaceuticals	Pharmaceuticals	03	--	--	--	--
16	Mr. Khanderao Rajaram Jadhav	M.Pharm	Annamalai University , Chennai	2007	Regular	Asst. Prof.	01/07/2011	Quality Assurance	Quality Assurance	01	--	--	--	--
17	Mr. Ravindra Dattaray Pathak	B.Sc MCA	IGNOU, Nashik	1993	Regular	Sr. Lect.(Sl. Gr)	08/08/1993	Computer	Computer	--	--	--	--	--
18	Mrs. Shubhangi Hemraj Pawar	M.Pharm	SPPU, Pune	2009	Regular	Asst. Prof.	01/08/2011	Pharmacology	Pharmacology	--	--	--	--	--
19	Mrs. Anuja Prabhakar Bhosale	M.Pharm	SPPU, Pune	2010	Regular	Asst. Prof.	04/12/2012	Pharmaceuticals	Pharmaceuticals	--	--	--	--	--
20	Mrs. Vrushali Ramesh Jadhav	M.Pharm	SPPU, Pune	2011	Regular	Asst. Prof.	12/03/2013	Pharmaceuticals	Pharmaceuticals	--	--	--	--	--
21	Mrs. Anjali Milind Kataria.	M.Pharm.	SPPU, Pune	2014	Contract	Asst.Prof.	19/06/2017	Q.A.	Q.A.	--	--	--	--	--
22	Mr. Dilip Tukaram Kawale	B.Pharm	SPPU, Pune	1987	Contract	Asst. Prof.	19/06/2017	Pharmaceutical sciences	Formulation	--	--	--	--	--
23	Mr. Santosh Eknath Akade	M.Pharm	SPPU, Pune	1990	Contract	Asst. Prof.	19/06/2017	Pharmaceuticals	Pharmaceuticals	--	--	--	--	--



24	Mr. Gopal Jagannath Pawar	B.Pharm , MBA	SPPU, Pune	1988	Contract	Asst. Prof	01/02/2017	Pharmaceutical sciences	Production	--	--	--	--	--
25	Dr. Jitendra Digamber Fegade	Ph.D.	NMU, Jalgaon	2012	Contract	Asst. Prof	01/02/2017	Pharmaceutical chemistry	Pharmaceutical chemistry	--	--	--	--	--

**Table B.5**

## Assessment Year: 2015-16 (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.	SRT University , Nagpur	2005	Regular	Principal / Professor	22/06/2011	Pharmacognosy	Pharmacognosy	03	07	--	--	--
02	Dr. Sunil Kashinath Mahajan	Ph.D.	NMU, Jalgoan	2013	Regular	Professor	20/10/2003	Pharmachemistry	Pharmachemistry	01	--	--	--	--
03	Mr. Ambadas Rangnath Rote	M.Pharm	DAVV University , Indore	1996	Regular	Asso. Prof.	01/12/1998	Pharmachemistry	Pharmachemistry	02	--	--	--	--
04	Dr. Jitendra Yadav Nehete	Ph.D.	Shivaji University ,Kolhapur	2010	Regular	Asso. Prof.	05/08/2008	Pharmacognosy	Pharmacognosy	--	--	--	SPPU	--
05	Dr.Mahalaxmi Mohan	Ph.D.	M.S. University ,Baroda	2007	Regular	Professor	14/07/2015	Pharmacology	Pharmacology	04	02	--	--	--

06	Mr. Manish Shrikrishna Junagade	M.Pharm	DAVV University , Indore	1996	Regular	Asso. Prof.	01/10/1996	Pharmachemistry	Pharmachemistry	01	--	--	--	--
07	Dr. Mrs. Rupali Arun Patil	Ph.D.	JNTU, Hyderabad	2014	Regular	Asso. Prof.	09/10/2006	Pharmacology	Pharmacology	04	--	Y	--	--
08	Dr. Ritesh Ramesh Karmarkar	Ph.D.	Hamdard University , New Delhi	2007	Regular	Asso. Prof.	01/08/2011	Pharmaceutics	Pharmaceutics	02	--	--	--	ASV Nashik
09	Dr. Tushar Narendra Lokhande	Ph.D.	University of Mumbai	2007	Regular	Asso. Prof.	03/08/2012	Pharmachemistry	Pharmachemistry	01	--	--	SPPU	--
10	Mrs. Daksha Lalit Attarde.	M.Pharm	SPPU, Pune	2000	Regular	Asst. Prof.	20/06/2005	Pharmacognosy	Pharmacognosy	--	--	--	--	--
11	Dr. Mrs. Manisha Ashwin Tayade	Ph.D.	JNTU, Hyderabad	2016	Regular	Asst. Prof.	05/09/2006	Pharmachemistry	Pharmachemistry	--	--	Y	--	--
12	Mrs. Suvarna Abhijit Katti	M.Pharm	SPPU, Pune	1997	Regular	Asst. Prof.	01/12/2006	Pharmachemistry	Pharmachemistry	01	--	--	--	--
13	Mr. Bhushan Panditrao Wagh	M.Pharm	Annamalai University , Chennai	2007	Regular	Asst. Prof.	19/11/2008	Pharmaceutics	Pharmaceutics	--	--	--	--	--
14	Mr. Kiran	M.Pharm	Nagpur	2001	Regular	Asst.	18/0	Quality	Quality	--	--	--	--	--

	Bhausaheb Erande		University , Nagpur			Prof	5/2009	Assurance	Assurance					
15	Dr. Pawar Ashish Yashwantrao	Ph.D.	Shri JYT University , Rajasthan	2012	Regular	Asst. Prof.	12/10/2010	Pharmaceutics	Pharmaceutics	03	--	--	--	--
16	Mr. Khanderao Rajaram Jadhav	M.Pharm	Annamalai University , Chennai	2012	Regular	Asst. Prof.	01/07/2011	Quality Assurance	Quality Assurance	03	--	--	SPPU	--
17	Mr. Ravindra Dattaray Pathak	B.Sc, MCA	IGNOU, Nashik	1993	Regular	Sr. Lect.(Sl. Gr)	08/08/1993	Computer	Computer	--	--	--	--	--
18	Mrs. Shubhangi Hemraj Pawar	M.Pharm	SPPU, Pune	2009	Regular	Asst. Prof.	01/08/2011	Pharmacology	Pharmacology	--	--	--	--	--
19	Mrs. Anuja Prabhakar Bhosale	M.Pharm	SPPU, Pune	2010	Regular	Asst. Prof.	04/12/2012	Pharmaceuticals	Pharmaceuticals	01	--	--	--	--
20	Mrs. Vrushali Ramesh Jadhav	M.Pharm	SPPU, Pune	2010	Regular	Asst. Prof.	12/03/2013	Pharmaceutics	Pharmaceutics	--	--	--	--	--

**TableB.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**

<b>Year</b>	<b>CAY(17-18)</b>	<b>CAYm1 (16-17)</b>	<b>CAYm2 (15-16)</b>
U1.1	60	60	60
U1.2	66	66	72
U1.3	66	72	72
U1.4	72	72	72
UG 1	<b>U1.1+ U1.2+ U1.3+ U1.4= 264</b>	<b>U1.1+ U1.2+ U1.3+ U1.4= 270</b>	<b>U1.1+ U1.2+ U1.3+ U1.4= 276</b>
P 1.1	53	56	56
P 1.2	56	56	56
PG 1	<b>P 1.1+ P 1.2 =109</b>	<b>P 1.1+ P 1.2=112</b>	<b>P 1.1+ P 1.2= 112</b>
.....			
Pm.1.1.1 (M.Pharm Pharmaceutic s)	10	10	10
Pm1.1.2 (M.Pharm Pharmachemi stry)	10	10	10
Pm1.1.3 (M.Pharm Pharmacolog y)	10	10	10
Pm1.1.4 (M.Pharm Pharmacogno sy)	08	08	08
Pm1.1.5 (M.Pharm – QAT)	15	18	18
Pm.1.2.1	10	10	10

(M.Pharm Pharmaceutic s)			
Pm1.2.2 (M.Pharm Pharmachemi stry)	10	10	10
Pm1.2.3 (M.Pharm Pharmacolog y)	10	10	10
Pm1.2.4 (M.Pharm Pharmacogno sy)	08	08	08
Pm1.2.5 (M.Pharm – QAT)	18	18	18
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+56 = 109	[(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)] =56+56 = 112	[(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)] =56+56 = 112
Total Number of Students in the Department (s)	UG1 +PG1 = S1 264+ 109= 373	UG1 +PG1 = S2 270+ 112 = 382	UG1 +PG1 = S3 276+ 112 = 388
No.of Faculty in the Department (F)	<b>F1 = 31</b>	<b>F2 = 25</b>	<b>F3 =20</b>
Students Faculty Ration (SFR)	<b>SFR1 = S1/F1 = 12.03</b>	<b>SFR2 = S2/F2 = 15.28</b>	<b>SFR3 = S3/F3 = 19.4</b>
Average SFR	<b>SFR=(SFR1+SFR2+SFR3)/3 =15.57</b>		

**TableB.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
<b>CAY (17-18)</b>	2	1	4	6	12	19
<b>CAYm1 (16-17)</b>	2	2	4	4	12	14
<b>CAYm2 (15-16)</b>	2	2	4	4	12	09
<b>Average Numbers</b>	RF1=2	AF1=1.66	RF2=4	AF2=4.66	RF3=12	AF3=14

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

Average Faculty Cadre Proportion: 1(1.66): 2(4):6(9.66)

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

=  $[(1.66/2) + [4.66/4 \times 0.6] + [14/12 \times 0.4]] \times 10$

=  $[0.83 + 0.699 + 0.466] \times 10$

=  $1.995 \times 10$

= 19.95

- 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	$FQ = 2 \times [(10X + 4Y)/F]$
<b>CAY(2017-18)</b>	09	12	12.03	$FQ = 2 \times [(10 \times 09 + 4 \times 12)/12.03] = 22.94$
<b>CAYm1(2016-17)</b>	06	11	15.28	$FQ = 2 \times [(10 \times 06 + 4 \times 11)/15.28] = 13.61$
<b>CAYm2(2015-16)</b>	05	09	19.4	$FQ = 2 \times [(10 \times 05 + 4 \times 9)/19.4] = 8.86$
<b>Average Assessment:</b>				<b>15.13</b>

**5.4 Faculty Retention (20)**

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

**Only two faculty members have left-**

**Mr. M. S. Junagade transferred to Malegaon (SPH Pharmacy college) and Miss. S.D. Pawar transferred to Nashik (MGV's Pharmacy College, Nashik),**

**Dr. R. A. Patil left**

$$t = (18/20) \times 100 = 90\%$$

**>= 90% of required Faculty members retained during the period of assessment keeping 2014-15 (CAYm3) as base year.**

<b>Current Academic year</b>	<b>Marks</b>
<b>2017-2018</b>	90% of required Faculty members retained during the period of assessment keeping 2014-15 as base year (20)

**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 college website has been made very student friendly.
- As part of our continuous efforts to groom our students, the B. Pharm students poster presentation contents has been published in our college magazine "NECTAR"
- 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 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).
- Library Automation is essential in the era of using advanced computational tools. For this, Library software viz. Vruddhi, DELNET which has the entire database of books, journals, e-journals etc. available in our library. With this the librarian saves time to access books, journals.
- 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 lectures 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.

#### **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 Faculty	Max 5 per faculty		
	CAY 2017-18 (Points/Number)	CAYm1 2016-17 (Points/Number)	CAYm2 2015-16 (Points/Number)
Dr.S.R.Tambe	03(1)	--	--
Dr. S. K. Mahajan	03(1)	--	--
Dr. M. Mohan	03 (1)	--	03(1)
Dr. J.Y.Nehete	03(1)	05(1)	--
Dr.T.N.Lokhande	03(1)	--	--
Dr. D.L.Attarde	--	05(1)	03(1)
Dr. M. A. Tayde	--	05(1)	05(1)
Dr.S.A.Katti	--	05(1)	--
Mr. B. P. Wagh	05 (1)	--	--
Mr. K.B.Erande	03 (1)	--	05(1)
Dr. A.Y. Pawar	05(1)	--	05(1)
Mr.K.R.Jadhav	03 (1)	05(1)	--
Ms A.P.Bhosale	--	--	05(1)
Miss V.R. Jadhav	--	05(1)	--
Dr. R. A. Patil	--	--	05(1)
Dr. P. S. Patil	03 (1)	--	--
Sum	34	30	31
RF = Number of Faculty required to comply with 15:1 Student-Faculty ratio as per 5.1	12.03	15.28	19.4
Assessment = $3 \times \text{Sum} / (0.5 \text{ RF})$	16.95	11.78	9.58
Average assessment over three years (Marks limited to 15) = 12.77			

**Staff attending Workshops/Faculty Development Programme/Training Activity For Year 2017-18**

Sr. No.	Name Of Faculty	Workshop/FDP /Training Activity attended	Sponsor, Organizer and Place	Dates
1.	Dr. S.R. Tambe	NBA Orientation Workshop-Movement for Quality Education	Zeal education society Pune at JW Marriot SB Road Pune	30 <sup>th</sup> and 31 <sup>st</sup> October 2018
2.	Dr. S. K. Mahajan	NBA Orientation Workshop-Movement for Quality Education	Organized by Zeal education society Pune at JW Marriot SB Road Pune	30 <sup>th</sup> and 31 <sup>st</sup> October 2018
3.	Dr. M.	Two day training at Orchid	Orchid Scientific and	16 <sup>th</sup> and

	Mohan	Scientific	Innovative Ind. Pvt. Ltd	17 <sup>th</sup> May 2018
4.	Mr. A. R. Rote	NBA Orientation Workshop- Movement for Quality Education	Zeal education society Pune at JW Marriot SB Road Pune	30 <sup>th</sup> and 31 <sup>st</sup> October 2018
5.	Dr. J. Y. Nehete	Extraction and isolation of phytoconstituents	Institute of Chemical Technology, Mumbai	9 <sup>th</sup> and 10 <sup>th</sup> December 2018
6.	Dr. T. N. Lokhande	Training Programme on 'Chromatographic Techniques(GC & HPLC) An Analytical Approaches in Food Analysis.'''	Central Instruments Facility & Services CSIR-CFTRI, Mysore	17 <sup>th</sup> to 21 <sup>st</sup> July 2017
7.	Mr. B. P. Wagh	Industrial training	Kirti Pharma, D83, MIDC Malegaon, Sinnar 422103	1 <sup>st</sup> June to 8 <sup>th</sup> June 2017
8.	Mr. K.B. Erande	Two Days National Level Workshop, Fluidized Bed Processor, Spray Drier and Probe Sonicator,	SPPU Sponsored at Amrutvahini Sheti and Shikshan Vikas Sanstha's Amrutvahini College of Pharmacy, Amrutnagar, Sangamner, Dist: Ahmednagar	2 <sup>nd</sup> and 3 <sup>rd</sup> February 2018
9.	Mr. K. B. Erande	Participated in Workshop on unconventional Job opportunities available for Pharm/Science graduates in Drug Regulatory Affairs, Market Research, Business Analytics, Pharmacovigilance and clinical research,	RAP Analytical Research and Training Center, Second Floor, Sarda Circle, Nashik	10 <sup>th</sup> and 11 <sup>st</sup> February 2018
10	Mr. K. R. Jadhav	Two Days National Level Workshop, Fluidized Bed Processor, Spray Drier and Probe Sonicator,	SPPU Sponsored at Amrutvahini Sheti and Shikshan Vikas Sanstha's Amrutvahini College of Pharmacy, Amrutnagar, Sangamner, Dist: Ahmednagar	2 <sup>nd</sup> and 3 <sup>rd</sup> February 2018
11	Mr. K. R. Jadhav	Participated in Workshop on unconventional Job opportunities available for Pharm/Science graduates in Drug Regulatory Affairs, Market Research, Business Analytics, Pharmacovigilance and clinical research,	RAP Analytical Research and Training Center, Second Floor, Sarda Circle, Nashik	10 <sup>th</sup> and 11 <sup>st</sup> February 2018
12.	Dr. A. Y. Pawar	Industrial training	Kirti Pharma, D83, MIDC Malegaon, Sinnar 422103	1 <sup>st</sup> June to 8 <sup>th</sup> June 2017
13	Dr. P. S. Patil	Two day Training at Orchid Scientific	Orchid Scientific and Innovative India Pvt. Ltd.	16 <sup>th</sup> and 17 <sup>th</sup> May 2018

**Staff attending Workshops/Faculty Development Programme/Training Activity  
For Year 2016-17**

<b>Sr. No.</b>	<b>Name Of Faculty</b>	<b>Workshop/FDP /Training Activity attended</b>	<b>Sponsoror, Organizer and Place</b>	<b>Period</b>
1	Ms. V.R.Jadhav	Industrial Training	Koral Pharma, Plot no. 25/2/3, C road, MIDC, Satpur, Nashik, Maharashtra	5 <sup>th</sup> June to 12 <sup>th</sup> June 2016
2	Ms M.A.Tayde	Industrial Training	RAP Analytical Research and Training Center, Second Floor, Sarda Circle, Nashik	15 <sup>th</sup> May to 21 <sup>st</sup> May 2017
3	Ms S.A.Katti	Industrial Training	RAP Analytical Research and Training Center, Second Floor, Sarda Circle, Nashik	15 <sup>th</sup> May to 21 <sup>st</sup> May 2017
4	Mr.J.Y.Nehete	Industrial Training	Reve Pharma, STICE, 78, Musalgaon, Industrial area, Maharashtra	17 <sup>th</sup> May to 23 <sup>rd</sup> May 2017
5	Ms D.L.Attarde	Industrial Training	Reve Pharma, STICE, 78, Musalgaon, Industrial area, Maharashtra	17 <sup>th</sup> May to 23 <sup>rd</sup> May 2017
6	Mr.K.R. Jadhav	Industrial Training	Koral Pharma, Plot no. 25/2/3, C road, MIDC, Satpur, Nashik, Maharashtra	17 <sup>th</sup> May to 23 <sup>rd</sup> May 2017

**Staff attending Workshops/Faculty Development Programme/ Training Activity (2015-16)**

<b>Sr. No.</b>	<b>Name Of Faculty</b>	<b>Workshop/FDP /Training Activity attended</b>	<b>Sponsoror, Organizer and Place</b>	<b>Period</b>
1	Dr. M. Mohan	Curriculum based National Workshop on Research Methodology	Ayurveda Seva Sangh's Ayurved Mahavidyalaya, Nashik	3 <sup>rd</sup> to 5 <sup>th</sup> May 2016
2	Dr. R. A. Patil	QIP of 2 weeks Teaching Methodology for Pharmacy Teachers	AICTE sponsored at BVP, Pune	15 <sup>th</sup> Feb.2016 to 29 <sup>th</sup> Feb 2016
3.	Dr. D. L. Attarde	Camag HPTLC System	Free training : at India specific HPTLC Applications Research Laboratory Mumbai	23 <sup>th</sup> to 27 <sup>th</sup> May 2016
4	Dr. M. A. Tayde	QIP of 2 weeks Teaching Methodology for Pharmacy Teachers	AICTE sponsored at BVP, Pune	15 <sup>th</sup> Feb.2016 to 29 <sup>th</sup> Feb 2016
5.	Mr. K. B. Erande	QIP of 2 Weeks Recent Trends in Formulation Development : Time for a Paradigm Shift	AICTE Sponsored, At: Bharati Vidyapeeth University Poona College of Pharmacy, Pune	14 <sup>th</sup> to 26 <sup>th</sup> December 2015.
6	Dr. A.Y. Pawar	QIP of 2 weeks	AICTE sponsored at Bharati Vidyapith	14 Dec.2015 to 26

			University, Pune.	Dec.2015
7.	Mrs. A. P. Bhosale	Industrial training of 1 week	At Maxheal Pharmaceutical(India) Ltd, Satpur MIDC Nashik	10 <sup>th</sup> to 17 <sup>th</sup> May 2015

**Staff participated as resource persons/chairman in the conferences / workshop outside the college**

Sr. No	Name of the Faculty	Programmes/ attended	Sponsored/ Organized	Period
1.	Dr. M. Mohan	State level seminar- Challenges in the management of metabolic disorders at NDMVP COP, Nashik	SPPU , Pune	09 <sup>th</sup> -10 <sup>th</sup> February 2018
2.	Dr. M. Mohan	Curriculum based National Workshop on Research Methodology	Ayurveda Seva Sangh's Ayurved Mahavidyalaya, Nashik	3 <sup>rd</sup> - 5 <sup>th</sup> May 2016
3.	Mr.K. B. Erande	Two Days National Level Workshop on Fluidized Bed Processor, Spray Dryer and Probe Sonicator, At: AmrutvahiniSheti and ShikshanVikas Sanstha's Amrutvahini College of Pharmacy, Amrutnagar, Sangamner, Dist: Ahmednagar	SPPU , Pune	2 <sup>nd</sup> - 3 <sup>rd</sup> February 2018
4.	Mr. K. R. Jadhav	Two Days National Level Workshop on Fluidized Bed Processor, Spray Dryer and Probe Sonicator, at: AmrutvahiniSheti and ShikshanVikas Sanstha's Amrutvahini College of Pharmacy, Amrutnagar, Sangamner, Dist: Ahmednagar	SPPU , Pune	2 <sup>nd</sup> -3 <sup>rd</sup> February 2018

**Seminars/ Conferences Organized during the assessment year (2015 to 2018)**

Sr. No	Date	Topic	Sponsored by	Co-ordinator
1.	Jan 2016 (2 days)	Recent Trends in Pharmacology	SPPU, Pune	Dr. M. Mohan
2.	Jan 2017 (2 days)	Current Trends in Pharmaceutical Sciences	SPPU,Pune	Dr. M Mohan
3.	Oct 2017 (1 day)	Novel Experimental techniques in Pre-clinical Research.	SPPU, Pune	Dr. M Mohan
4.	Jan 2018 (2 days)	Current Trends Development and Advancement in Drug Delivery System	SPPU, Pune	Dr. R. R. Karmarkar
5.	Oct 2015 (1 day)	BCUD Zonal Level Research Project Competition, Member of LOC AVISHKAR – 2015	SPPU ,Pune	Mr. M. S. Junagade
6.	Oct 2016 (1 day)	Recent trends in Chromatographic Techniques in collaboration with WATERS	SPPU, Pune	Mr. M.S. Junagade

**5.7.Research and Development (40)****5.7.1.AcademicResearch (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
				2015-2016	2016-2017	2017-2018	
1.	Dr.S.R.Tambe	13	87	--	--	02	30
2.	Dr.R.S.Bhambar	31	177	03	05	--	69
3.	Dr.S.K. Mahajan	13	202	01	02	Nil	100
4.	Dr. M. Mohan	84	802	03	12	04	450
5.	Mr. A. R. Rote	27	300	01	01	--	104
6.	Dr. J.Y. Nehete	22	1061	--	--	--	518
7.	Dr. R. R. Karmarkar	08	167	02	--	--	62
8.	Dr. T. N. Lokhande	06	35	01	--	--	12
9.	Dr. D. L. Attarde	10	60	--	04	--	34
10..	Dr. M.A. Tayde	10	27	--	--	01	16
11.	Dr. S. A. Katti	16	222	01	06	02	120
12.	Mr. B. P. Wagh	01	--	--	--	--	--
13.	Mr. K. B. Erande	14	117	Nil	04	Nil	96
14.	Dr. A.Y. Pawar	36	196	03	03	Nil	141
15.	Mr. K.R. Jadhav	14	30	03	01	Nil	18
16.	Mrs. S.H. Pawar	03	09	--	--	--	09
17.	Mrs. A.P.Bhosale	02	04	01	--	01	04
18.	Mr M.S.Junagade	06	17	01	03	--	08
19.	Dr .R.A. Patil	24	170	04	01	--	99
20.	Dr.P.S.Patil	13	83	--	--	--	64

**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 published for assessment year		
			2015-2016	2016-2017	2017-2018
1.	Dr.S.R.Tambe	05/00	--	04	01
2.	Dr.R.S.Bhambar	02/00	--	--	--
3.	Dr. M. Mohan	01/00	--	--	01

4.	Dr. R. R. Karmarkar	00/02	--	--	--
5.	Dr. S.A. Katti	01/00	--	01	--
6.	Dr. A.Y. Pawar	01/01	--	--	--
7.	Mrs. A. P. Bhosale	01/00	--	--	01
8.	Dr. P. S. Patil	01/00	--	--	--

**c) List of scientific/ technical Books written by Faculty Members in the College.**

- Dr.Mahalaxmi Mohan- Some topics in Preclinical Pharmacology-A Practical text book, Career Publications, Nashik, (I Edition : 2012, II Edition: 2018).
- Katti S.A. 'A Handbook of Inorganic Pharmaceutical Chemistry (Practical)'Published by The Principal, M.V.P. Samaj's College of Pharmacy, Nashik, Firstedition December 2015.
- Dr.S.R.Tambe & Ms.A.P.Bhosale- A textbook of Pharmaceutical Analysis-I, Everest Publishing House, 2018
- Dr. S. R. Tambe, Dr Santosh Chhajed- Concepts in Pharmaceutical Analysis (ElectroAnalytical Techniques), Career Publications, 2017
- Dr. S. R. Tambe, Dr Santosh Chhajed - Pharmaceutical Analysis –II (Electro Analytical Techniques),Career Publications, 2017
- Dr. S. R. Tambe, Dr.Santosh Chhajed, Dr. S. D. Sawant - Pharmaceutical Anaysis –III, Tech-Max Publications, 2017
- Dr. S. R. Tambe Dr. Santosh S. Chhajed, Pharmaceutical Anaysis –V, Everest Publishing House, 2017.
- Dr. S. R. Tambe, Dr. S. D. Sawant - Pharmaceutical Anaysis –II, Tech-Max Publications, 2017.
- Dr.A.Y.Pawar: Formulation Technology – Review and Research Approach By ISBN: 978-81-906493-7-7 Sahitya Sagar Publications, Kanpur, India.
- Dr.A.Y.Pawar : A Book Chapter on Nanocomposites has been accepted for publication by Elsevier Publications, United States.
- Dr. R. R. Karmarkar: Agarwal, S. P., Khanna, R. and Karmarkar, R., Patenting of novel drug delivery systems. In: Controlled and Novel Drug Delivery. Ed. N. K. Jain. 2003, pp 510-550.
- Dr. R. R. Karmarkar: Baboota, S., Khanna, R., Karmarkar, R. and Agarwal, S. P., Cyclodextrins in drug delivery systems. In: Controlled and Novel Drug Delivery. Ed. N. K. Jain. 2003, pp 384-404.
- Dr. R. S. Bhambar and Pratap Pawar: Introduction to Pharmacy Instruments. Career Publications 2017.
- Dr. R.S. Bhambar and Dr. P.S.Patil : A Textbook of Natural Drug Technology, Unique Publications, Pvt Lts. 2018

**Information of research articles published during year 2015-16, 2016-17, 2017-18**

**For Year 2015-16**

Sr. No.	Main author and others	Title of the research article	Journal and ISSN no.	Volume and Page no.	Year
1.	R.S.Bhambar	Evaluation of analgesic activity and phytochemical screening of <i>Ficus Bengalensis</i> Linn Bark	Der Pharmacia Lettre ISSN:0975-5071	7(5),22-27	2015
2.	R.S.Bhambar	Intranasal Niosomes: An approach for drug delivery to brain	World Journal of Pharmaceutical Research ISSN:2277-7105	4(7),1835-1854	2015



3.	R.S.Bhambar	Protective effect of Rubia cordifolia in Paclitaxel induced neuropathic pain in experimental animals	Indian Journal of Pain	29(3):150-154	2015
4.	S.K.Mahajan	A Review : Analytical method for the determination of Esomeprazole	Inventi Rapid : Pharm Analysis and Quality Assurance ISSN 0976-3813	2015(2),1-4	2015
5.	M. Mohan	Effect of ethanolic extract of <i>Coriandrum sativum</i> L. on tacrine induced orofacial dyskinesia.	Indian Journal of Experimental Biology ISSN:0975-1009	53(5), 292-296	2015
6.	M. Mohan	Some CNS Activities of New Imidazolo Quinoline Analogs in Mice.	Inventi Rapid: Med Chem, ISSN: 2229-4198	2015(3):1-11	2015
7.	M. Mohan	Drug Utilization Evaluation of Antihypertensives in a Superspeciality Hospital.	International Journal of Pharma Research and Review- ISSN- 2278-6074	5(9),1-8	2016
8.	M. Mohan	Anxiolytic effect of Agomelatine on some acute and chronic experimental models of anxiety in mice	Inventi Rapid: Molecular Pharmacology ISSN:2229-4198	2016 (3):1-9	2016
9.	A. R. Rote	High Performance Liquid Chromatographic Determination of Ciprofloxacin Hydrochloride and Ornidazole in Human Plasma	Pharmaceutical Analytical chemistry, ISSN PACO1000103	1 (1),1-4	2015
10.	R.R. Karmarkar	Formulation development of matrix tablet of Stavudine by using Carboxy Methyl Tamarind Kernel Powder as a novel drug release retarding agent	Indian Drugs ISSN:0019-462X	52(4), 28-36	2015
11.	R.R. Karmarkar	Development of Poloxamer based thermosensitive <i>in-situ</i> ocular gel of Betaxalol Hydrochloride	International Journal of Pharmacy and Pharmaceutical Sciences ISSN- 0975 – 1491	7(6),287-291	2015
12.	T.N. Lokhande	“Chromatographic Method Development and Validation of Misoprostol in Bulk and its Pharmaceutical Dosage Form	”Inventi Rapid: Pharm Analysis & Quality Assurance. ISSN: 0976-755X	2015(4),1-4	2015
13.	S.A.Katti	Solubility Enhancement, formulation development and in-vitro evaluation of fast dissolving tablets of Lamotrigine’	Inventi Impact: Pharmtech, ISSN- 0976-3783	2015(3),114-122	2015
14.	A.Y.Pawar	<i>In Vitro and In Vivo</i> Characterization of a thermoresponsive rectal delivery system of Mesalamine	Latin American Journal of Pharmacy ISSN 2362-3853	34(4), 732-739.	2015



15.	A.Y.Pawar	Comparative study of reverse wet granulation with conventional wet granulation in solubility enhancement of Simvastatin	International Journal of Pharmacy and Pharmaceutical Sciences ISSN 0975 - 1491	7 (1), 264-272.	2015
16.	A.Y. Pawar	A raft forming system- A novel approach for gastroretention,	International Journal of pure & applied bioscience ISSN 2320-7051	3(4), 178-192.	2015
17	K.R. Jadhav	Gold nanoparticles:As Novel Carrier for Drug Delivery	World Journal of Pharmaceutical Research ISSN 2277-7105	4(8), 611-639.	2015
18	K.R.Jadhav	Comparative study of reverse wet granulation with conventional wet granulation in solubility enhancement of Simvastatin	International Journal of Pharmacy and Pharmaceutical Sciences ISSN 0975 - 1491	7 (1), 264-272.	2015
19.	K.R.Jadhav	<i>In Vitro and in vivo</i> Characterization of a thermoresponsive rectal delivery system of Mesalamine	Latin American Journal of Pharmacy ISSN 2362-3853	34(4), 732-739.	2015
20.	A.P.Bhosale	Herbosomes as a novel drug delivery system for absorption enhancement	World Journal of Pharmacy and Pharmaceutical Sciences ISSN 2278-4357	5(1),345-355	2015
21.	M.S.Junagade	Formulation and Evaluation of Mouth Dissolving Film of Risperidone	International Journal of PharmTech Research ISSN: 0974-4304	8 (6), 218-230	2015
22	R.A.Patil	Anti hyperbilirubinemic and wound healing activity of aqueous extract of Calotropis procera leaves in wistar rats	Indian Journal of Pharmacology ISSN -0253-7613	47,398-402	2015
23	R.A.Patil	Protective effect of Rubia Cordifolia paclitaxel induced neuropathic pain in experimental animals.	Indian Journal of Pain	29, 150-154	2015
24	R.A.Patil	Retrospective study of papulonodular skin lesions and their clinopathological correlation	International Journal of Medical Science and Public Health	4(5),612-616	2015
25	R.A.Patil	Prevalence of vitamin D deficiency in higher socioeconomical class of Ahmedabad, Gujarat, India	International Journal of Medical Science and Public Health	4(5),617-620	2015

**For Year 2016-17**

<b>Sr. No</b>	<b>Main author and others</b>	<b>Title of the research article</b>	<b>Journal and ISSN no.</b>	<b>Volume and Page no.</b>	<b>Year</b>
1.	R.S.Bhambar	Antiulcer Activity of Morinda citrifolia Linn. Root Extracts	International Journal of current Microbiology and Applied sciences ISSN:2319-7706	5(4)193-201	2016
2	R.S.Bhambar	Validation and Development of HPTLC Method for Simultaneous Estimation of Apigenin and Luteolin in Selected Marketed Ayurvedic Formulations of ' Dashmula ' and in Ethyl Acetate Extract of Premnaintegrifolia L.	Journal Of Analytical and Bioanalytical Techniques, ISSN: 2155-9872	8 (1): 1-9.	2017
3	R.S.Bhambar	PremnineHClestimationin selected formulations of 'Dashmul' and in chloroform extract of PremnaintegrifoliaL. by a selective, validated and developed HPTLC Fingerprint Method.	Journal of Chromatography and Separation Techniques. ISSN:2157-7064	8 (1):1-6.	2017
4	R.S.Bhambar	Standardisation of one of traditional 'dashmula': shalparni( <i>Desmodiumgangeticu</i> mlinn. Dc. Family: leguminosae) through phytochemical and histological evaluation'	World Journal Of Pharmaceutical Research ISSN-2277-7105	6(2): 952-964.	2017
5	R.S.Bhambar	Qualitative phytochemical and histological evaluation of stem of Premnaintegrifolia Linn. (Verbenaceae): Standardization of oneof traditional 'Dashmula'- Agnimanth.'	American Journal of Pharmtech Research ISSN-2249-3387	7(1) :445-456.	2017
6	S.K.Mahajan	Formulation and Evaluation of Buccal patches by using Natural gum	International Journal of Research in Pharmacy and Chemistry ISSN-2231-2781	6(4):684-695	2016
7	S.K. Mahajan	Validation and forced stability – Indicating HPTLC method for determination of Azelnidipine	World Journal of Pharmaceutical Research ISSN- 2277-7105	5 ( 9) 1053-1062	2016
8	A.R.Rote	New Analytical Method Development and Validation of Ciprofloxacin and Ornidazole in Human Plasma by High Performance Thin Layer Chromatography	Pharmaceutical Methods ISSN:2229-4716	7( 2), 89-93	2016
9	M. Mohan	Optogenetics- A Brief Review.	International Journal of Pharmaceutical Sciences	8(2) 1000-06	2017

			and Research ISSN-2320-5148		
10	M. Mohan	Evaluation of Monosodium glutamate induced neurotoxicity in swiss albino mice.	International Journal of Pharmacology and Toxicology ISSN-2249-7676	7(1), 7-14	2017
11	M. Mohan	Pre-clinical evaluation of DCL2016 ointment on superficial burn wound healing in rats	Asian Journal of Science and Technology- ISSN:0976-3378	8(4),4671-4622	2017
12	M. Mohan	Bhasma: An important ayurvedic formulation.	International Journal of Institutional Pharmacy and Life Sciences ISSN:2249-6807	6(6),53-65	2016
13	M. Mohan	A review on Monosodium Glutamate	International Journal of Institutional Pharmacy and Life sciences ISSN:2249-6807	7(1), 46-55	2017
14	M. Mohan	A Review on Burn and Burn models in animals.	Journal of Basic Pharmacology and Toxicology	1(2) 1-8	2017
15	M. Mohan	PreClinical Evaluation of DCL2016 ointment on superficial burn wound healing in rats	Asian Journal of Science and Technology	8(4),4617-4622	2017
16	M. Mohan	Agomelatine, a 5-HT <sub>2c</sub> receptor antagonist, reverses the anxiety effect of 5-HT <sub>2c</sub> receptor agonist mCPP	Inventi-Rapid: Mol.Pharmacol ISSN: 0976-3856	2017(3), 1-8	2017
17	M. Mohan	Practical approach for Development and Validation of Bioanalytical Method: A Review	Inventi Rapid: Pharm Analysis and Quality Control	(1):1-8	2017
18	M.Mohan	Protein precipitation extraction technique for high performance thin layer chromatographic determination of Ambroxol HCL in Human Plasma	Der Pharma Chemica	9(14):104-108	2017
19	M.Mohan	Development and Validation of RP-HPLC Method and Forced Degradation of powerful Bradykinin inhibitor Zaltoprofen	Current Pharmaceutical Analysis	14(6): 604 – 610	2018
20	M.Mohan	Simple and Economical UV spectrophotometric area under curve method for estimation of Eletriptan Hydrobromide	Pharm Methods	9(1):29-32	2018
21	M.S. Junagade	Formulation and evaluation of bilayer tablet containing floating clopidogrel bisulphate layer and immediate release aspirin layer	International Journal of Research in Pharmacy and Chemistry ISSN: 2231-2781	6(3), 580-594	2016
22	M.S.	Formulation and in-vitro	International Journal of	6(3), 568-	2016

	Junagade	evaluation of gastroretentive mucoadhesive film of famotidine	Research in Pharmacy and Chemistry ISSN: 2231-2781	579	
23	M.S. Junagade	Formulation and evaluation of immediate release tablet of mefenamic acid and dicyclomine hydrochloride by direct compression method	International Journal of Research in Pharmacy and Chemistry ISSN: 2231-2781	6(4), 738-749	2016
24	R.A. Patil	Hepatoprotective activity of alkaloid fractions from ethanol extract of <i>Murraya koenigii</i> leaves in experimental animals	Journal of Pharmaceutical Sciences and Pharmacology	3(1),28-33	2017
25	D.L.Attarde	Validation and Development of HPTLC Method for Simultaneous Estimation of Apigenin and Luteolin in Selected Marketed Ayurvedic Formulations of ' Dashmula ' and in Ethyl Acetate Extract of <i>Premna integrifolia</i> L.	Journal Of Analytical and Bioanalytical Techniques, ISSN: 2155-9872	8 (1): 1-9.	2017
26	D.L.Attarde	Premnine HCl estimation in selected formulations of 'Dashmul' and in chloroform extract of <i>Premna integrifolia</i> L. by a selective, validated and developed HPTLC Fingerprint Method.	Journal of Chromatography and Separation Techniques. ISSN:2157-7064	8 (1):1-6.	2017
27	D.L.Attarde	Standardisation of one of traditional 'dashmula': shalparni( <i>Desmodium gangeticum</i> linn. Dc. Family: leguminosae) through phytochemical and histological evaluation'	World Journal Of Pharmaceutical Research ISSN-2277-7105	6(2): 952-964.	2017
28	D.L.Attarde	Qualitative phytochemical and histological evaluation of stem of <i>Premna integrifolia</i> Linn. (Verbenaceae): Standardization of one of traditional 'Dashmula'- Agnimanth.'	American Journal of Pharmtech Research ISSN-2249-3387	7(1) :445-456.	2017
29	S.A.Katti	Synthesis, Molecular docking and evaluation of antifungal activity of some benzyl benzimidazole derivatives.	Der Pharma Chemica ISSN-0975-413X	8(4),425-433	2016
30	S.A.Katti	Synthesis, molecular docking and evaluation of anti-inflammatory activity of some 5-alkyl/aryl 2-amino 1,3,4 thiadiazole derivatives.	Der Pharma Chemica, ISSN-0975-413X	8(9),1-8	2016

31	S.A.Katti	Design,Synthesis and antifungal activity of some benzyl benzimidazole derivatives.	Pharmacophore ISSN-2229-5402	7(1), 35-40	2016
32	S.A.Katti	Formulation of microsponges of Risperidone Hcl	International Journal of Research in Pharmacy and Chemistry ISSN-2231-2781	6(3) , 518-527	2016
33	S.A.Katti	Natural Polymers: Carriers for transdermal drug delivery system'	International Journal of Research in Pharmacy and Chemistry ISSN-2231-2781	6(3), 534-542	2016
34	S.A.Katti	UVmethod development and validation for estimation of disulfiram in marketed tablet preparation'	International Journal of Research in Pharmacy and Chemistry ISSN-2231-2781	6(3) , 528-533	2016
35	K.B.Erande	Formulation and evaluation of bilayer tablet of metoprolol succinate and chlorthalidone	International Journal of Research in Pharmacy and Chemistry ISSN: 2231:2781	6(4), 702-716	2016
36	K.B.Erande	Solubility enhancement and formulation of fast dissolving tablet of ziprasidone hydrochloride	International journal of research in pharmacy and chemistry ISSN: 2231:2781	6(4), 675-683	2016
37	K.B.Erande	Formulation, development and evaluation of albendazole oral jellies	Indo american journal of pharmaceutical sciences ISSN 2349-7750	3 (7), 706-712	2016
38	K.B.Erande	Method development and validation for simultaneous estimation of eperisone hydrochloride and paracetamol in bulk and marketed formulation by vierodt's method	World Journal of Pharmacy and Pharmaceutical Sciences ISSN 2278 – 4357	5(9),1345-1353	2016
39	A.Y.Pawar	Nanocochelete: A novel drug delivery system,	Asian Journal of Pharmaceutics (Thomson Reuters), (Impact Factor: 0.61). ISSN 0973-8398	10(3), 234-242	2016
40	A.Y.Pawar	Proniosome: A Novel Non-ionic Provesicules as Potential Drug Carrier	Asian Journal of Pharmaceutics (Thomson Reuters), (Impact Factor: 0.61). ISSN 0973-8398	10(3), 210-222.	2016
41	A.Y.Pawar	Nanosponges: A Novel Drug Delivery System,	Asian Journal of Pharmaceutics (Thomson Reuters), (Impact Factor: 0.61). ISSN 0973-8398	10(4), 456-463	2016
42	K.R.Jadhav	Proniosome: A Novel Non-ionic Provesicules as Potential Drug Carrier	Asian Journal of Pharmaceutics ISSN 0973-8398	10(3), 210-222.	2016

**For Year 2017-18**

Sr. No	Main author and others	Title of the research article	Journal and ISSN no.	Volume & P.N.	Year
1.	S. R. Tambe	Development and Validation of RP-HPLC Method for the Determination of Febuxostat in Bulk and Pharmaceutical Dosage Form.	Asian Journal of Research in Chemistry ISSN:0974-4150	10 (6), 713-718.	2017
2	S. R. Tambe	Estimation of Luliconazole in Formulation and Biofluid	Journal of Analytical & Pharmaceutical Research ISSN: 2473-0831	6(5); 00187	2017
3.	M. Mohan	Pre-Clinical Toxicity study of Tamara Bhasma on Albino Wistar rats	International Research Journal of Pharmacy ISSN:2230-8407	9(1):36-46	2018
4.	M. Mohan	Protective effect of <i>Solanum torvum</i> on monosodium glutamate-induced neurotoxicity in mice	Indian Journal of Natural Products and Resources ISSN:0976-0512	8(4):351-359	2018
5.	M. Mohan	A Review on Diabetic Neuropathy	International Journal of Advance Research and Development ISSN:0976-0512	3(2), 202-212	2018
6.	M. Mohan	Toxicity of Silver nanoparticles	International Journal of Advance Research and Development ISSN:0976-0512	3(2), 213-222	2018
7.	M.A.Tayde	Development and validation of HPTLC for determination of Esomeprazole Mg.in human plasma	J.Chromatogr.Sep.Tech. ISSN- 2167-7084	8(2); 1000360	2017
8.	S.A.Katti	Molecular docking of some 2-(1-phenyl-1-(4-alkyl/acyl/aryl)piperazine-1-yl)-methylBenzimidazoles with lanosterol 14 $\alpha$ demethylase of <i>Candida glabrata</i> .	Scholarly Research Journal For Interdisciplinary Studies ISSN-2278-8808	6(21) , 180-186	2017
9.	S.A.Katti	Formulation and development of transdermal patch of tizanidinehydrochloride'	Asian Journal of Research in Chemistry and Pharmaceutical Sciences. ISSN: 2349 – 7106	5(2), 69-75	2017
10	A.P.Bhosale	Estimation of Luliconazole in formulation and Biofluid	Journal of Analytical & Pharmaceutical Research ISSN: 2473-0831	6(5); 00187	2017

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

**Ph.D.guided:**

Name of the Ph.D.guided staff	Ph.D. Guided /Co-guided Year		
	2017-18	2016-17	2015-16
Dr.R.S.Bhambar	07	07	07
Dr. M. Mohan	02	02	02
Dr. J.Y.Nehete	02	--	--
Dr. T.N.Lokhande	02	--	--

**Details of PhD. Guided staff:**

Sr. No.	Name of the Ph.D. guided/Co-guided staff	Name of the Ph.D. Student	Title of Research	Year of registration	University
1	Dr.R.S.Bhambar	Pratap Bhavrao Pawar	Preparation and Evaluation of Hypolipidemic Polyherbal Formulation of some isolated Phytoconstituents and its standardization	2012	SPPU
2	Dr.R.S.Bhambar	Mrs.Daksha Lalit Attarde	Evaluation of <i>Premna intengrifolia</i> L., <i>Sterospermum suaveolens</i> Roxb. And <i>Desmodium gangeticum</i> L. In some Herbal Formulations using Bioactive Markers.	2012 to 2018	SPPU
3	Dr.R.S.Bhambar	Poonam R. Shinde	Topical treatment of necrotizing Herpes virus infection with polyherbal formulations by Novel Drug Delivery System	2016	SPPU
4	Dr.R.S.Bhambar	Prerana Padmanabh Dongre	Evaluation of Bioenhancer Potential of Herbs and Development of Novel Herbopathic Formulations.	2016	SPPU
5	Dr.R.S.Bhambar	Mr. Vinay D. Sulochane	Pharmacognostic and Pharmacological screening of <i>Erythrina indica</i> fam Fabaceae	2017	SPPU
6.	Dr.R.S.Bhambar	Mr.K.B.Erande	Preparation and Evaluation of Antimicrobial Formulations from Garlic ( <i>Allium sativum</i> )	2012	SGVU, Jaipur
7.	Dr.R.S.Bhambar	Mr. B.P.Wagh	Solubility Enhancement of Antiviral Drugs by Solid Dispersion Technique	2014	SGVU, Jaipur
8.	Dr. M.Mohan(Co supervisor)	Mr. Hrishikesh Velis	Evaluation of Notropic potential of some synthetic	2012	JNTU, Hyderabad



			compounds in laboratory Animals Focusing on Non-Cholinergic Mechanisms		
9.	Dr. M. Mohan(Co supervisor)	Mr. Mahesh Deshpande	Development and Validation of analytical methods by using different analytical techniques for various drugs	2012	JNTU, Hyderabad
10	Dr.J.Y.Nehete	MrsSonali R. Gawali	Pharmacognostic , Phytochemical and Pharmacological screening of <i>Clematis hedysaripholia</i> DC family Ranunculaceae	2017	SPPU, Pune
11	Dr.J.Y.Nehete	Mr. Nilesh A. Jadhav	Pharmacognostic , Phytochemical and Pharmacological studies of <i>Amorphophallus paeonifolius</i> (Araceae)	2017	SPPU, Pune
12	Dr. T.N.Lokhande	Mr. Kunal O.Shelke	Analytical Method development and Validation of some Antibacterial and Antiviral Agents In Bulk and Pharmaceutical Dosage Forms.	2017	SPPU, Pune
13.	Dr.T.N.Lokhande	Ms. Rupali H Shinde	Design synthesis and evaluation of novel photosensitizers	2018	SPPU, Pune

**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
1	Dr. R.A. Patil	Preclinical studies on some Indian medicinal plants used in treatment of Parkinsonism	June,2015	JNTU, Hyderabad	Dr. S. B. Kasture
2	Dr. M. A. Tayde	Standardization of Aasava – Ayurvedic Preparation	Feb. 2016	JNTU, Hyderabad	Dr. V.S. Kasture
3	Dr. S.A.Katti	Design, Synthesis and Antifungal Activity of some N-1-Alkyl-5 Chloro-2-(1-aryl-1-Substituted Amino)-Methyl Benzimidazoles	Feb. 2018	SPPU,Pune University	Dr. A.P.Pingle
4.	Dr. D.L.Attarde	Evaluation of <i>Premna intengrifolia</i> L., <i>Sterospermum suaveolens</i> Roxb. And <i>Desmodium gangeticum</i> L.in some Herbal Formulations using Bioactive Markers.	Jan.2018	SPPU,Pune	Dr.R.S.Bhambar



**Faculty members registered and pursuing Ph.D.**

Sr. No	Name Of the Faculty	Supervisor/Co-supervisor	Name Of the University	Status
1.	Mr. A. R. Rote	Dr. R. B. Saudagar	SPPU , Pune	Pursuing
2.	Mr. B. P. Wagh	Dr.R.S. Bhambar	SGVU,Jaipur	Pursuing
3.	Mr.K. B. Erande	Dr. R. S. Bhambar	SGVU, Jaipur, Rajasthan	Pursuing
4.	Mr.K.R.Jadhav	Dr. G. S. Talele	SJIT University, Rajasthan	Pursuing
5.	Mrs. S.H.Pawar	Dr.C.D.Upasani	SPPU , Pune	Pursuing
6.	Miss A.P. Bhosale	Dr.A.P.Pingale	SPPU , Pune	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 Project titles Cumulative during the assessment year(2015-2018)**

Name of the Faculty/ PI	Title of Research Project	Sanctioned Amount (Rs)	Funding Agencies	Duration
Prof. M. Mohan	Safety Toxicity and efficacy of DCL 2016 ointment on superficial burns	75,000/-	Sponsored by Ayurveda Sanshodhan Vibhag, Nashik	2016-2017 (1 year)*
Prof. M. Mohan	Pre-clinical Safety toxicity study of Tamara Bhasma on albino rats	40,000/-	Sponsored by Ayurveda Sanshodhan Vibhag, Nashik	2016-2017 (1 year)
Dr.J.Y.Nehete	Standardization Of Some Anti-cancer drugs in polyherbal formulations	1,20,000/-	SPPU , Pune	2014-2016 (2 years)
Dr.T.N.Lokhande	Design, Synthesis and Evaluation of novel Isatin derivatives	1,20,000	SPPU , Pune	2014-2016 (2 years)
Mrs M.A. Tayde	Extraction, phytochemical investigation of <i>B.diffusa</i> extract and	1,40,000/-	SPPU , Pune	2016-2018 (2 years)

	study on alcohol withdrawal induced anxiety, locomotor activity and pentylenetetrazole induced convulsions			
Mrs. S.A. Katti	Design and synthesis of 2-alpha-aminobenzimidazole derivatives as antifungal agents	1,00,000/-	SPPU , Pune	2016-2018 (2 years)
Mr. K. R. Jadhav	Formulation and evaluation once daily floating and bioadhesive sustained release tablet of Alfluzosin hydrochloride.	1,20,000/-	SPPU , Pune	2014-2016 (2 years)
<b>Cumulative amount during the assessment year</b>		<b>7,15,000/-</b>		

\* 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

- We have M.O.U done with Orchid Scientific and Innovative, Ambad, Nashik and Ayurveda Sanshodhan Vibhag, Nashik. We undertake collaborative work as and when required.
- 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.

#### Consultancy work details with ORCHID-

- 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

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

Sr. No	Name of the Staff	Honorary Consultancy details	Date/Month/Year
1.	Dr.R.S.Bhambar	Appointed by as a referee for evaluation of Ph.D. research thesis submitted by Shri N.S.Wagh	21 <sup>st</sup> April 2015
2.	Dr. M. Mohan	As member of editorial board: SPER, Journal Of Pharmacy Practice	Jan 2016
3.	Dr. M. Mohan	Appointed as Subject Expert for the evaluation of Pre-synopsis presentation cum viva of Ph.D Scholar of Mr Aslam Usmangani Burhan at Maliba Pharmacy College, UTU	20 <sup>th</sup> December 2017
4.	Dr.J.Y.Nehete	Guidance given to M.D.S. students in their research work (Dr. Prasad Sonar, Dr. Dipali Chaudhari, Dr. Pooja Kadam, Dr. Anuja Hudwekar, Dr. Shreeprasad Wagle)- K.B.H. Dental College and Hospital, Nashik	28 <sup>th</sup> August 2017
5.	Dr. T.N. Lokhande	Appointed as a Research Supervisor for Ph.D. admissions in subject Pharm. Chemistry at College of Pharmacy NDMVP Nashik.	31 <sup>st</sup> March 2018

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/monogramsetc.*

**Product Development**

Sr. No.	Name of Staff	Product Development Activity	Year
1.	Dr. M. Mohan	Safety and efficacy of DCL2016 ointment in superficial burn injuries in rats- An Ayurved Sanshodhan vibhag Pre-clinical Safety toxicity study of Tamara Bhasma on albino rats.	2016-2017
2.	Dr.R.R. Karmarkar	The herbal cream formulation for burn prepared by Ayurvedic college, Nashik , had instability problem as it would crack during storage. Hence they approached Department of Pharmaceutics MGVS Pharmacy college, Nashik, to solve the problem. Dr. R. R. Karmarkar has solved the issue by adding TWEEN 80 as an emulsifying agent .The problem of cracking or separation was corrected and the problem was solved , thus assisting in product development.The same ointment (DCL 2016) was further subjected for safety and efficacy studies in rats and collaborated with Dr, M.Mohan ,Department of Pharmacology.	2015-2016

## 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.

Prof. A.R.Rote Research Awards during last year

- 1) **Dr.P. D. Sethi Memorial National Award 2016 for best HPTLC Paper**  
(Pharmaceutical Methods, 2016, 7(2); 89-93)
- 2) **Dr.P. D. Sethi Annual Award 2016 for best HPLC Paper**  
(Pharmaceutical Analytical Chemistry, 2015, 1(1);1-4)
- 3) **4<sup>th</sup> Academic Brilliance Awards-2016 for Excellence in Research**

My **Biography** is published in **WHO's WHO in the world**

### 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*

Career Advancement Scheme (CAS) has been implemented for the advancement of faculty. 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.

### 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.*

<b>Assessment Year : 2017-2018</b>	
<b>Name of Visiting Faculty</b>	<b>No of Interactions (hrs)</b>
Ms. Aishwarya Sunil Gadkari	54
Mr. Deepak Ramchandra Varkute	02
Mr. Dileep Nivrutti Rasal	04
Mrs. Anjali Milind Kataria.	32
Mr. Deepak Digambar Walekar	02
Mr. Tushar Pandit Mahajan	02
Mr. Dilip Tukaram Kawale	02
Mr. Santosh Eknath Akade	06
<b>Total</b>	<b>104</b>
<b>Assessment Year : 2016-2017</b>	
Mrs. Anjali Milind Kataria.	24
Mr. Dilip Tukaram Kawale	02
Mr. Santosh Eknath Akade	06
Mr. Gopal Jagannath Pawar	24
Dr. Jitendra Digamber Fegade	02
<b>Total</b>	<b>58</b>

Sr. No	Assessment Parameters	Marks	
		Prescribed	Institute
5	Faculty information and contributions		
5.1	Student-Faculty Ratio (SFR)	20	18
5.2	Faculty Cadre Proportion	20	20
5.3	Faculty Qualification	20	15
5.4	Faculty Retention	20	20
5.5	Innovations by the Faculty in Teaching and Learning	15	10
5.6	Faculty as participants in Faculty Development/ Training Activities	15	13
5.7	Research and Development (40)		
5.7.1	Academic Research	10	10
5.7.2	Sponsored Research	10	03
5.7.3	Consultancy (from Industry)	10	04
5.7.4	Honorary Consultancy from Central/State/Local Government Organizations	05	04
5.7.5	Development activities	05	03
5.8	Faculty Performance Appraisal and Development System (FPADS)	20	10
5.9	Visiting/Adjunct/ Emeritus Faculty	05	04
	Total	175	134

<b>CRITERION 6</b>	<b>Facilities</b>	<b>120</b>
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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 were 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 250 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.)
<b>1</b>	402	Class room	67.91
	403	Class room	66.00
	408	Class room	66.00
	409	Class room	66.00
<b>2</b>	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
<b>3</b>	505	Seminar Hall	133.69
<b>4</b>	A101	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 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	HOD Cabin (05)	<b>Exclusive</b>	10.00
	201			10.00
	301			10.00
	401			10.00
	B107			9.26
2	G105	Faculty Cabin (12)	<b>Exclusive</b>	5.04
	109			6.75
	110			6.75
	204			9.81
	206			8.61
	207			8.61
	212			9.81
	303			6.49
	305			6.49
	308			6.54
	311			8.28
	406			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&amp; 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
<b>G102</b>	Pharmacology-I	75.00	20	Available	First-aid/Fire Extinguisher
<b>G103</b>	Pharmacology-II	75.00	20	Available	First-aid/Fire Extinguisher
<b>G104</b>	Pharmacology (PG)	75.00	20	Available	First-aid/Fire Extinguisher
<b>105</b>	Pharmaceutics -III	75.00	20	Available	First-aid/Fire Extinguisher
<b>106</b>	Quality Assurance Techniques -I	75.00	20	Available	First-aid/Fire Extinguisher
<b>107</b>	Quality Assurance Techniques -II	81.51	20	Available	First-aid/Fire Extinguisher
<b>202</b>	Pharmaceutical Chemistry –I	81.09	20	Available	First-aid/Fire Extinguisher
<b>205</b>	Pharmaceutical Chemistry-II	96.89	20	Available	First-aid/Fire Extinguisher
<b>210</b>	Pharmaceutical Chemistry-III	75.12	20	Available	First-aid/Fire Extinguisher
<b>211</b>	Pharmaceutical Chemistry (PG)	76.43	20	Available	First-aid/Fire Extinguisher
<b>302</b>	Pharmaceutics -I	80.73	20	Available	First-aid/Fire Extinguisher
<b>306</b>	Pharmacognosy	75.00	20	Available	First-aid/Fire Extinguisher
<b>307</b>	Pharmacognosy (PG)	76.58	20	Available	First-aid/Fire Extinguisher
<b>309</b>	Pharmaceutics-II	76.96	20	Available	First-aid/Fire Extinguisher
<b>405</b>	Pharmaceutics (PG)	75.00	20	Available	First-aid/Fire Extinguisher
<b>B103</b>	Machine room	75.12	20	Available	First-aid/Fire Extinguisher
<b>D101</b>	Central Instrument Room	107.12	20	Available	First-aid/Fire Extinguisher
<b>AM8</b>	Animal House	75.82	20	Available	First-aid/Fire Extinguisher
<b>B101</b>	Computer Room & Language Lab	75.27	20	Available	First-aid/Fire Extinguisher

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 (2011)	20	76.43	Available	Good	First-aid/ Fire Extinguisher	Advanced. Pharmaceutical Chemistry, Advanced Medicinal Chemistry, Advanced Analytical

							Techniques & Pharmaceutical Chemistry-I
<b>Department: Pharmaceutics (UG)</b>							
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.
<b>Department: Pharmaceutics (PG)</b>							
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
<b>Department: Pharmacology (UG)</b>							
Sr. No	Lab Description (Name with Lab No)	Batch size	Area (Sq. m.)	Availability of Manuals	Quality of instruments	Safety Measures	Remarks
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
<b>Department: Pharmacology (PG)</b>							
1	Pharmacology- (PG) (G-104)	20	75	Available	Available	First-aid/ Fire Extinguisher	Adv Pharmacology I & II
<b>Department: Pharmacognosy (UG)</b>							
Sr. No.	Lab Description (Name with Lab No)	Batch size	Area (Sq. m.)	Availability of Manuals	Quality of instruments	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
<b>Department: Pharmacognosy (PG)</b>							
1	Pharmacognosy (PG) (307)	20	76.58	Available	Good	First-aid/ Fire Extinguisher	Advanced Pharmacognosy-I & II
<b>Department: Quality Assurance Techniques (PG)</b>							
Sr. No.	Lab Description (Name with Lab No)	Batch size	Area (Sq. m.)	Availability of Manuals	Quality of instruments	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
<b>Central Instrument Room</b>							
1	Central Instrument Room (D101)	20	107.12	Available	Good	First-aid/ Fire Extinguisher	Quality control
<b>Department: Computer</b>							
1	Computer Room & Language Lab (B101)	20	75.27	Available	Good/ Latest configuration	First-aid/ Fire Extinguisher	Computer Applications, Communication

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	Planatory 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

**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	1997	Mgvpc/Inst.R102/97-98/1-4	Available

		R-303 10-93			
6	Fluorimeter	Make- ELICO. Model no.-CL-53	2014	Mgvpc/Inst.R102/14-15/1-4	Available
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 Nephelometry 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	Vaccum Pump (Small)	Bio Technics India model- SV-11	1998/1999	MGVPC/1998-99/01/01	Available
22	Vaccum 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)	01no 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 <sup>h</sup> chem 2006/07/01/01	Available
31	Hot Air Oven 18X18X8	Expo	2006	MGV/MPC/P <sup>h</sup> chem 2006/07/01/01	Available
32	U.V.Cabinet 37x30x30 (LXBXH)	Prama Instruments Pvt Ltd Kompact U.V Cabinet	2016	MGV/MPC/P <sup>h</sup> chem 2016/2017/UV/01	Available
33	Electronic High Precision balance  Capacity 0.01 gmy 300 gm; accurac	Gill	2016	MGV/MPC/P <sup>h</sup> chem 2016/2017/C Bal/01	Available
34	Vacuum Pump oil free	Orchid Scientific	2017	MGV/MPC/P <sup>h</sup> chem 2017/18/VP/02	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 <sup>h</sup> 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 <sup>h</sup> 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/TH000 0090S	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
<b>Department: Pharmacology</b>					
<b>Sr.No.</b>	<b>Name of Instrument</b>	<b>Make/Model</b>	<b>Year of Purchase</b>	<b>Code</b>	<b>SOP</b>

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	Analgesiometer (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 for Rat	Orchid Scientific Lab	2017	MGV/MPC/COL/17-18	Available
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	Orchid Scientific	2017	MGV/MPC/COL/17-18	Available

	meter	Lab			
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

**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 Star Instrument)	Fourtech 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

**Department: Quality Assurance Techniques (PG)**

Sr. No.	Name of Instrument	Make/ Model	Year of Purchase	Code	SOP
1	Tablet Dissolution Tester	Electrolab India, EDT 08LX	2013	MGV'SMP/QA/TDT/2013-14/1-1	Available
2	Balance	Citizon 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
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

**Common Instructional Facilities:**

Description	Details	Area Sq.M.	Salient Features
503 A & 503B	Central Library including Reading Room	164.38	<ul style="list-style-type: none"><li>• Good ambience</li><li>• Sufficient number of books</li><li>• Central Reprographic facility</li><li>• National &amp; International Journals</li><li>• Computer facility with LAN &amp; internet</li><li>• Essential library software</li></ul>

**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, Parenterals, 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.

**Pharmaceutics Museum (Ground Floor)**

<b>Section A-Tablets</b>		
<b>Sr. No.</b>	<b>Brand Name</b>	<b>Content</b>
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	Ofloxacin – ornidazole
15	Pantosec	Pantoprazole
16	DSP	Diclofenac, paracetamol, seretopeptide
17	Kelac	Ketorolac
18	Pacimol 650	Paracetamol
19	Calpol Plus	Paracetamol, Ibuprofen

Section B- Capsules		
20	Megaclox	Amphicilin, Dicloxacilin
21	ME-PR	Pregabilin , Mecobalamine
22	Rinifol	Ranitidine
23	Clopikind AS-75	Clopidogril, Aspirin
24	Razo-L	Rabeprazole
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	Domperidome
32	Power- Gil	Simethicope, 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 , lubistarcmc
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	Serofeo	Salmeterol, Fluticonazole
<b>Section H -Cosmetics</b>		
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
<b>Section A- Parenterals</b>		
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 <sub>2</sub> , Mgcl <sub>2</sub>
<b>Section B-Ear drops</b>		
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 ,oflaxacin
10	Ciplox-D	Dexamethasone, ciprofloxacin
<b>Section C-Nasal drops</b>		
11	Duonas	Azalastine HCL, Fluticasone
12	Flomist	Azalastine HCL, Fluticasone
13	Symbicort	Budesonide, Formeterol
14	Nasivion	Oxymetasoline HCL
<b>Section D-Packaging Material</b>		
15	Bellow type dropper	
16	Polypress type dropper	
17	Measuring caps	
18	HD opaque bottles	
19	Rubber closures	
<b>Section E-Ampoules &amp; vials</b>		
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
<b>Section F- Surgicals</b>		
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 Elletaria 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 ChebulaCombretaceaes
31	Silk
32	Shellac flacks laciferlaccaLacciferidae
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	Hirida
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</i>	Sonchafa	01	Kaempferol, quinine, $\gamma$ -	Liver tonic, burns







	<i>indica</i>			sitosterol, tannin, resin and essential oil	
6	<i>Eugenia jambolana</i>	Jambul	01	Anthocyanins, glucoside, ellagic acid, isoquercetin, kaemferol, myrecetin	Antidiabetic, dysentery, inflammation, ringworm
7	<i>Moringa oeifera</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 longum</i>	Lendipipri	01	Piperine, alkaloids	Asthma, bronchitis
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, cyanidine, quercetine, crisantemin, antocyanine, kaempherol, camphoral.	Anthelmintic, urethritis, headache, toothache, ear ache, asthma, boils.
17	<i>Eugenia</i>	Lavang	01	Eugenol, carvacrol,	Dental





	<i>caryophyllanta</i>			thymol, cinnamaldehyde.	analgesic,carminative
18	<i>Elettaria cardamomum</i>	Elaichi	01	$\alpha$ -pinene, b-pinene, sabinene, myrcene, $\alpha$ -phellandrene, limonene, 1,8-cineole, $\gamma$ -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 nux vomica.</i>	Kuchala	01	Strychnine, brucine	Bitter, increasing appetite, peristalsis.
21	<i>Cinnamomum zeylanicum</i>	Dalchini	01	Volatile oils, triterpenoids	Stomachic
22	<i>Terminalia bellericarox b.</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	$\beta$ -pinene and $\alpha$ -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, sterol-e-D-glucopyranoside, pyrocatechin	Diuretics
31	<i>Myristica fragrance</i>	Jayphal	01	$\alpha$ -pinene, camphene, $\beta$ -pinene, sabinene, myrcene, $\alpha$ -phellandrene, $\alpha$ -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, $\alpha$ -tocopherol.	Bronchodilator
34	<i>Ficus racemosa</i>	Umbar	01	Oleanolic acid, $\beta$ -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		Skin diseases
38	<i>Ferula foetida</i>	Hing	01	Asaresinolferulate, ferulic acid,	Antiepileptic, Asthma, amenorrhea, bronchitis, aphrodisiac.
39	<i>Prosopiscin</i>	Shammi	01	Phenolics	Anti-inflammatory, antirheumatic, tonic and






	<i>erari</i>				vermifuge
40	<i>Putranjiva roxburghii</i>	Putranjiva	01	Ellagic acid, gallic acid, gallocatechin, 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 quadrangul aris</i>	Hadsandhi	01	Tetracyclic triterpenoids, two steriodal principles I and II, alpha-sitosterol	Asthma and cardiac problems, leprosy, ulcers, tumours, skin diseases.

**6.6 Non Teaching Support (20)**






Name of the staff	Designation	Date of joining	Qualification		Other technical skills gained	Responsibility	Photo
			At Joining	Current Status			
Administrative staff:							
Mr. Amit S. Maralkar	Administrative Officer	12/07/2017	D.HMCT, BSc, MBA	D.HMCT, BSc, MBA		Annexure A	
Mr. Shrikant Jibhau Pagar	Office Superintendent	26/12/1989	M.Com	M.Com		Annexure A	
Mr. Prafulla Motiram Pagar	Head Clerk	01/06/2009	B.A.	B.A.		Annexure A	
Mr. Bhaskar Ashok Pawar	Jr. Clerk	01/06/2008	B.A.	B.A.		Annexure A	






Mr. Ajay Krushnarao Rasane	Steno Typist	01/12/2007	B.A. MH CIT	B.A. MH CIT		Annexure A	
Mr. Mahesh Shivba Jadhav	Accountant	21/09/2016	B.Com	B.Com		Annexure A	
Mr. Mahesh Padmakar Devle.	Accountant	20/02/2018	M.Com	M.Com		Annexure A	
Mrs Vijaya Vilas Pagar.	Jr. Clerk	18/08/2008	M.A., B.ed	M.A., B.ed		Annexure A	
<b>Technical Staff</b>							
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	
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, GDMM	B.Com, GDMM		Annexure A	



Mrs. Manisha Mahendra Patil	Laboratory Technician	15/07/2003	D. Pharm	D. Pharm	Details on separate sheet	Annexure A	
Mr. Swapnil 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 Dhudakul 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		<b>Annexure A</b>	
Mr. Samadhan Shankar Wagh	Lab. Attendant	06/09/1994	SSC	SSC		<b>Annexure A</b>	
Mr. Dharma Rambhau Ahire	Lab. Attendant	23/09/1996	SSC	SSC		<b>Annexure A</b>	
Mr. Jibhau Nathu Suryawanshi	Lab. Attendant	18/09/1998	SSC	SSC		<b>Annexure A</b>	
Mr. Patil Madhav Bhatu	Lab. Attendant	15/07/2002	B.A.	B.A.		<b>Annexure A</b>	

Mr. Vikas Sudhakar Joshi	Lab. Attendant	03/07/2006	SSC	SSC		Annexure A	
Mr. Ananadchand Dharmchand Chune	Lab. Attendant	06/08/2005	HSC	HSC		Annexure A	
Ms. Rohini Vishwas Kushare	Lab. Attendant	15/12/2016	HSC, DEd	HSC, DEd		Annexure A	
<b>Maintenance Staff</b>							
Mr. Gokul Daulat Karankal	Plumber	13/06/1994	SSC	SSC		Annexure A	
Mr. Rajandra Jijabrao Deshmukh	Electrician					Annexure A	

Mr. Sachin Haribhau Shelar	Gardener	01/06/20068	SSC	SSC		Gardner	
<b>Supporting Staff</b>							
Mr. Ajay Prabhakar More	Peon	01/09/2009	VIII	VIII		Annexure A	
Mr. Bhagwat Dattu Aher	Peon	07/11/2012	SSC	SSC			
Mr. Shirish Ganpat Shirwadkar	Peon	10/09/2014	SSC	SSC		Annexure A	
Mr. Bhushan Yuvraj Patil	Peon	02/09/2009	B.A.	B.Ed.		Annexure A	
Mr. Jitendra Nimba Sansare	Peon	01/06/2008	SSC	SSC		Annexure A	
Mr. Mohan Tukaram Awari	Peon	01/07/2017	B.A.	B.A.		Annexure A	

Car Drivers:							
Mr. Rupesh J. Ghogare	Driver	18/12/2017	HSC	HSC		Driver	
Mr. Rahul Fakirchand Rangi	Driver	14/12/2017	B.A. MS CIT	B.A. MS CIT		Driver	

ANNEXURE-A		
Sr.No	Name (Designation)	Responsibilities
1.	Mr. Maralkar A.S. (Administrative Officer)	<ul style="list-style-type: none"> <li>To ensure proper running of the courses run by the centre, in consultation with the course coordinator.</li> <li>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.</li> <li>To help in the maintenance of the buildings of the institute.</li> <li>To perform any other work as assigned by the higher authorities of the Institute</li> <li>To take care of Administration &amp; Establishment, Academics, Examinations, Accounts, Developmental aspects, Coordination and Consolidation of activities of different faculties/ departments/ centres/ sections, Faculty Affairs.</li> <li>To deal with the matters related to the meetings of various committees of the Institute, engagement of security agency.</li> <li>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.</li> </ul>
2.	Mr. Pagar S. J. (Office Superintendent)	<ul style="list-style-type: none"> <li>To maintain record of attendance and leave record of teaching and non teaching staff on biometric machine.</li> <li>To maintain record of 'personal file' and service book of teaching and non teaching staff.</li> <li>AICTE DTE, Govt. of Maharashtra, S.P.P.U and PCI- letters file to be maintained.</li> <li>To manage other official work.</li> <li>To help teachers as per their requirement.</li> </ul>
3.	Mr. Pagar P. M. (Head Clerk)	<ul style="list-style-type: none"> <li>AICTE, DTE, PCI and Pune University correspondence</li> <li>To manage other official work.</li> <li>To help teachers as per their requirement.</li> <li></li> </ul>

4.	Mr. Pawar B. A. (Jr. Clerk)	<ul style="list-style-type: none"> <li>• Social welfare, Tribal development and DTE delivered scholarship amounts to be distributed to students and related certificates to be submitted to respective offices.</li> <li>• AICTE, DTE, PCI and Pune University fee- DD to be withdrawn and should be sent to respective offices.</li> <li>• To collect the fees from F.Y., S.Y., T.Y. and Final year B. pharm and F.Y &amp; S.Y. M. Pharm students and deposit in bank</li> <li>• To provide NBA related data</li> <li>• English and Devnagari (Marathi) typing</li> </ul>
5.	Mr. Ajay Krushnarao Rasane (Steno Typist)	<ul style="list-style-type: none"> <li>• To perform typing work for official communication.</li> </ul>
6.	Mr. Jadhav M.S. (Accountant)	<ul style="list-style-type: none"> <li>• Maintenance of records of accounts.</li> <li>• To prepare fees proposal for admission regulating authority (Mumbai) before 30<sup>th</sup> June, each year.</li> </ul>
7.	Mr. Devle M. P. (Accountant)	<ul style="list-style-type: none"> <li>• All the works related to accounts.</li> <li>• To prepare fees proposal for admission regulating authority (Mumbai) before 30<sup>th</sup> June, each year.</li> <li>• 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.</li> <li>• To prepare salary details of all the teaching, non teaching and visiting faculty staff members.</li> <li>• To maintain P.F, gratuity and group L.I.C. related account.</li> </ul>
8.	Mrs. Pagar V. V. (Jr. Clerk)	<ul style="list-style-type: none"> <li>• To prepare the T.C. certificates of B.pharm and M. pharm pass out students after academic year.</li> <li>• To do all the English typing for university related or other official work.</li> <li>• Information of students whatever is required time to time should be provided to teachers.</li> <li>• To maintain inward and outward registers of B. pharm and M. pharm (from university, DTE, PCI, 6<sup>th</sup> floor to and from)</li> </ul>
9.	Dr. Ulhe U. S. (Librarian)	<ul style="list-style-type: none"> <li>• To perform overall planning of library</li> <li>• To prepare and maintain library reports</li> </ul>

		<ul style="list-style-type: none"> <li>• To classify and catalogue library books</li> <li>• To provide reference service to the users.</li> <li>• To determine record statistics</li> <li>• To carry out routine correspondence activities of library</li> </ul>
10.	Mrs. Shewale S. V. (Jr. Clerk, Exam)	<ul style="list-style-type: none"> <li>• 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.</li> <li>• 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.</li> <li>• To provide assistance in internal exams and external exams.</li> <li>• To distribute related remuneration to respective staff members and submit the record to university.</li> <li>• To maintain answer sheets, Question paper file, internal and external marks ledgers.</li> <li>• To assist in framing supervision and classroom arrangements.</li> </ul>
11.	Mrs. Hiray M.N. (Assistant Librarian)	<ul style="list-style-type: none"> <li>• To maintain important daily paper cuttings and filing them.</li> <li>• To prepare library rules and regulations</li> <li>• To keep ready students issue cards and Identity cards.</li> <li>• E-library work / computerization of library.</li> </ul>
12.	Mr. Chaudhari V.T. (Store Keeper)	<ul style="list-style-type: none"> <li>• All work related to store department D. Pharm, B. Pharm and M. Pharm.</li> <li>• Journal and uniform distribution to B. Pharm and M. Pharm students.</li> <li>• Dead stock record (yearly) to be submitted to office after 31<sup>st</sup> March yearly.</li> <li>• To refill fire cylinder every year and maintain its record.</li> <li>• Spirit licence (for Laboratories) renewal to be done every year.</li> <li>• To attend to the requirements of each department and prepare Purchase Order.</li> </ul>
13.	Mr. Patil M. B. (Lab Attendant/Receptionist)	<ul style="list-style-type: none"> <li>• To keep record of incoming and outgoing calls in register.</li> <li>• Anything regarding CL/ DL / late (informed on phone) to be noted in register</li> <li>• To attend the call regarding any official work and inform to respective person and record the same in register.</li> <li>• To note everyday outward letter no. in register</li> <li>• To place calls as per the requirements of staff and Principal.</li> </ul>
14.	Mr. Shirapure G.S. (Lab Attendant/ Office)	<ul style="list-style-type: none"> <li>• To lock the office at 5:40 PM and submit the keys at guest house.</li> </ul>

	Attendant)	<ul style="list-style-type: none"> <li>• To attend any work at principal's and Vice- principal's cabin.</li> <li>• To help doing dead stock of office after 31<sup>st</sup> March.</li> <li>• AICTE, DTE, Pune University, PCI work related proposal files should be maintained or required Xerox work should be done.</li> </ul>
15.	Mr. Liddad B.T. (Lab Attendant/ Office Attendant)	<ul style="list-style-type: none"> <li>• To bring office keys from guest house and open the office.</li> <li>• Any work during examination period and Xerox work.</li> <li>• Bank related work and any other outside work.</li> <li>• Work of college at S.P.P.U. if required.</li> <li>• To maintain office in order.</li> </ul>
16.	Mr. Karankal G. D. (Plumber)	<ul style="list-style-type: none"> <li>• Plumbing work in college building.</li> <li>• Plumbing work in other college buildings.</li> </ul>
17.	Mr. Pawar A.R. (Lab Technician)	<ul style="list-style-type: none"> <li>• B. Pharm and M. Pharm pharmacology department related Laboratory apparatus distribution and collect back from students.</li> <li>• To issue chemicals, prepare PSS, purchase tissues for experiments.</li> <li>• Preparation of dead stock report.</li> <li>• Maintenance of all chemicals, glassware and instruments and maintain record of breakage.</li> <li>• Laboratory Examination work.</li> <li>• To maintain animal house.</li> <li>• To maintain cleanliness.</li> </ul>
18.	Mr. Nikam R.P. (Lab Technician)	<ul style="list-style-type: none"> <li>• To provide the chemicals, apparatus etc. to students and collect back and maintain record of the same.</li> <li>• Annual and Sessional practical exam related work</li> <li>• To maintain cleanliness and safety in laboratory.</li> <li>• To maintain practical related charts, models or other material properly.</li> <li>• Dead stock record preparation and submission at the end of academic year.</li> </ul>



19.	Mrs. Patil M. M. (Lab Technician)	<ul style="list-style-type: none"><li>• To assist Pharmaceutics and Pharmacognosy Practicals.</li><li>• To provide chemicals, apparatus to students and collect back and maintain record.</li><li>• Annual and Sessional practical exam related work</li><li>• To maintain cleanliness and safety in laboratory.</li><li>• To maintain practical related charts, models or other material properly.</li><li>• Dead stock record preparation and submission at the end of academic year .</li></ul>
20.	Mr. Londhe S.	<ul style="list-style-type: none"><li>• To provide chemicals, apparatus to students and collect back and maintain record.</li><li>• Annual and Sessional practical exam related work</li><li>• To maintain cleanliness and safety in laboratory.</li><li>• To maintain practical related charts, models or other material properly.</li><li>• Dead stock record preparation and submission at the end of academic year .</li></ul>
21.	Mr. Wagh S. S. (Lab Attendant)	<ul style="list-style-type: none"><li>• To maintain cleanliness of Pharmaceutical chemistry II laboratory</li><li>• To provide chemicals and apparatus for practicals to student and collect back.</li><li>• To assist in Sessional and annual practical examination</li><li>• To do any other work in laboratories whenever required.</li></ul>
22.	Mr. Suryawanshi J. N. (Peon)	<ul style="list-style-type: none"><li>• Quality Assurance laboratory and Museum room cleanliness</li><li>• To provide chemicals and apparatus for Practicals to student and collect back.</li><li>• To assist in Sessional and annual practical examination</li><li>• To do any other work in laboratories whenever required.</li></ul>

23.	Mr. Sansare J. N. (Peon)	<ul style="list-style-type: none"><li>• To maintain cleanliness in Pharmacology (M. Pharm) laboratory.</li><li>• To help in college and office work whenever needed.</li><li>• To help during Sessional and annual practical examination</li><li>• To do any other work in laboratories whenever required.</li></ul>
24.	Mr. More A. P. (Peon)	<ul style="list-style-type: none"><li>• To maintain cleanliness in Pharmaceutical analysis (B. Pharm.) laboratory.</li><li>• To help in college related or office related work whenever needed.</li><li>• To help during Sessional and annual practical examination</li><li>• To do any other work in laboratories whenever required.</li></ul>
25.	Mr. Patil B.Y. (Peon)	<ul style="list-style-type: none"><li>• To clean and maintain cleanliness of instrument room.</li><li>• To help in college related work or office work whenever needed.</li><li>• To help during sessional and annual practical examination</li><li>• To do any other work in laboratories whenever required.</li></ul>
26.	Mr. Shirvadkar S. G. (Peon)	<ul style="list-style-type: none"><li>• To clean the Pharmaceutical Chemistry laboratory.</li><li>• To help in college related work or office work whenever needed.</li><li>• To help during sessional and annual practical examination</li><li>• To do any other work in laboratories whenever required.</li><li>• To do any other laboratory related work whenever and wherever needed.</li></ul>

27.	Mr. Deshmukh R. J. (Electrician)	<ul style="list-style-type: none"><li>• To do electrical work in college building whenever and wherever needed.</li></ul>
28.	Mr. Shelar H. S. (Gardner)	<ul style="list-style-type: none"><li>• To maintain cleanliness in plantation area and to give water and take care of plants in college campus.</li><li>• To do any other work whenever needed.</li></ul>
29.	Mr. Ahire D.R. (Lab Attendant)	<ul style="list-style-type: none"><li>• To maintain cleanliness of lab.</li><li>• To provide chemicals and apparatus for Practicals to student and collect back.</li><li>• To help during Sessional and annual practical examination</li><li>• To do any other work in laboratories whenever required</li></ul>
30.	Mr. Borse V. S. (Lab Attendant)	<ul style="list-style-type: none"><li>• To maintain cleanliness of Pharmacognosy (B.Pharm) lab.</li><li>• To provide chemicals and apparatus for Practicals to student and collect back.</li><li>• To help during Sessional and annual practical examination</li><li>• To do any other work in laboratories whenever required</li></ul>
31.	Mr. Salunke M.D. (Lab Attendant)	<ul style="list-style-type: none"><li>• To maintain cleanliness of lab.</li><li>• To provide chemicals and apparatus for Practicals to student and collect back.</li><li>• To help during Sessional and annual practical examination</li><li>• To do any other work in laboratories whenever required</li></ul>
32.	Mr.Chune A.D. (Lab Attendant)	<ul style="list-style-type: none"><li>• To maintain cleanliness of lab.</li><li>• To provide chemicals and apparatus for Practicals to student and collect back.</li><li>• To help during Sessional and annual practical examination</li><li>• To do any other work in laboratories whenever required</li></ul>

33.	Ms. Kushare R.V. (Lab Attendant)	<ul style="list-style-type: none"> <li>To maintain cleanliness of lab.</li> <li>To provide chemicals and apparatus for Practicals to student and collect back.</li> <li>To help during Sessional and annual practical examination</li> <li>To do any other work in laboratories whenever required</li> </ul>
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#### 6.6.1. 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	PhD, M.lib & I.Sc., B.lib & I.Sc, B.Sc. (Bio)	PhD, M.lib & I.Sc., B.lib & I.Sc, B.Sc. (Bio)	1. Attended workshop 'K Koha and Library Automation' at MET's Institute of Engineering, Nashik-2018  2. Attended workshop 'Design and Development of Institutional Repositories using Dspace' at KTHM college, Nashik-Dec. 2016  3. Published 8 International papers, 7 National papers and attended 4 Conferences.

Mr. Anil Ramdas Pawar	Laboratory Technician	21/05/1996	D. Pharm	D.Pharm	1. Got acquainted in Animal Handling Skills.  2. Attended workshop, Current scenario of CPCSEA & promotion of Animal & research welfare of Laboratory Animal sciences” at SSDJ College of Pharmacy, Chandwad, 5-6 <sup>th</sup> Jan 2018.
Mr. Rahul Prakash Nikam	Laboratory Technician	14/09/2013	D. Pharm	D.Pharm	1. Attended NAAC/ NBA workshop “Awareness of NAAC/ NBA accreditation in improving quality education”, at JD Pawar College of Pharmacy, Manur. 4-5 <sup>th</sup> Jan 2017.  2. Completed Vrudhi software training at MGVS Education campus, Nashik
Mrs. Manisha Mahendra Patil	Laboratory Technician	15/07/2003	D. Pharm	D.Pharm	1. Attended NBA workshop, “Roadmap for NBA Accreditation & Research grants”, at SMBT College of Pharmacy, Dhamangaon, Igatpuri. 5-6 <sup>th</sup> Jan 2018
Mr. Swapnil Londhe	Laboratory Technician	15/08/2016	D. Pharm	D. Pharm	1. Got acquainted in maintaining records and instruments
Mr. Vijay Tulshiram Chaudhari	Store Keeper	12/06/2014	B.Com,	B.Com,	1. Got acquainted in maintaining records in stores

			GDMM	GDMM	
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- In addition 10 members have been recruited by college 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.

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

(Assessment based on the information)

##### **Incentives:**

- 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)	1. Attended workshop 'K Koha and Library Automation' at MET's Institute of Engineering, Nashik-2018 2. Attended workshop 'Design and Development of Institutional Repositories using Dspace' at KTHM college, Nashik-Dec. 2016
2	Mr. Rahul Prakash Nikam (Laboratory Technician)	1. Attended NAAC/ NBA workshop-"Awareness of NAAC/ NBA accreditation in improving quality education", at JD Pawar College of Pharmacy, Manur 4-5 <sup>th</sup> Jan 2017. 2. Completed Vrudhi software training at MGV's Education campus, Nashik
3	Mr. Anil Ramdas Pawar (Laboratory Technician)	1. Attended workshop, Current scenario of CPCSEA & promotion of Animal & research welfare of Laboratory Animal sciences" at SSDJ College of Pharmacy, Chandwad, 5-6 <sup>th</sup> Jan 2018.
4	Mrs Manisha Mahendra Patil. (Laboratory Technician)	1. Attended NBA workshop , "Roadmap for NBA Accreditation & Research grants", at SMBT College of Pharmacy, Dhamangaon, Igatpuri. 5-6 <sup>th</sup> Jan2018.
5	Mrs. Manisha Nitin Hiray (Laboratory Technician)	1. Completed Vrudhi software training at MGV's Education campus, Nashik. 2. Handling other library related software's.

Sr.No	Assessment Parameters	Marks	
		Prescribed	Institute
6	Facilities		
6.1	Availability of adequate, well-equipped classrooms to meet the curriculum requirements	20	17
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	55
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	08
	<b>Total</b>	<b>120</b>	<b>108</b>



<b>CRITERION 7</b>	<b>Continuous Improvement</b>	<b>75</b>
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## 7. Continuous Improvement (75)

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

Items	LYG	LYGm1	LYGm2
<b>Success index (from 4.2.1)</b>	0.683	0.586	0.617

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

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 (2016-17)	23	--	23	02
LYGm1 (2015-16)	21	02	17	--
LYGm2 (2014-15)	24	--	14	04

The placement cell acts as a platform for interaction between students and corporate.

The placement cell at MGV's 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 MGV's 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 3,80,000 per annum.

### **TOP RECRUITERS OF OUR COLLEGE**

1. GlaxoSmithKline Pharmaceuticals Ltd,
2. Glenmark Pharmaceuticals Ltd,
3. Fresenius Kabi India Pvt. Ltd
4. Mylan Laboratories Ltd
5. Sun Pharmaceuticals Ltd
6. J.B. Chemicals and Pharmaceuticals Ltd.

7. Encube Ethicals Pvt Ltd
8. Jagsonpal Pharmaceuticals Ltd
9. Tata Consultancy Services-BPS
10. Lupin Pharmaceuticals Ltd.

Items	LYG (2016-17)	LYGm1 (2015-16)	LYGm2 (2014-15)
Placement index (from 4.7)	0.8	0.70	0.77

### Performance in GPAT and admission in Premier Institutes

**GRADUATE PHARMACY APTITUDE TEST (GPAT)** is a national level entrance exam conducted by All India Council for Technical Education (AICTE) every year as per the directions of Ministry of Human Resource Development (MHRD), Government of India. 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.

#### List of Students Qualified GPAT during 2016-17

S.No	Names of Students	The students Mr. Tejas Kankaria and Mr. Mayur Pakhale qualified GPAT and got admitted to MVP's College of Pharmacy, Nasik
1	.Mr. Tejas Kankaria	
2	Ms. Almas Inamdar	
3	Mr. Karimuddin Beldar	
4	Mr. Mayur Pakhale	
5.	Ms. Shivani Pardeshi (M. Pharm)	
6.	Mr. Pranit Patil (M. Pharm)	

#### List of Students Qualified GPAT during 2015-16

S.No	Names of Students	The students Mr. Akshay Patil and Ms. Rasika Mahale qualified both GPAT and NIPER examination . Both got admission to Premier Institute Bombay College of Pharmacy, Santacruz (E), Mumbai.
1	Mr. Akshay Patil (Selected for NIPER)	
2	Ms. Rasika Mahale (Selected for NIPER)	
3	Mr. Alok Patil	
4	Ms. Priyanka Adavadar	

## List of Students Qualified GPAT during 2014-15

S.No	Names of Students	The students Mr.Amol Pagar qualified both GPAT and NIPER examination and got admitted to NIPER, Mohali
1	Amol Pagar (Selected for NIPER)	
2	Ulka Gaikwad	
3	Malavi Bhavsar	
4	Priyanka Pagar	
5	Bharati Ghuge	
6	Mamta Dahane	
7	Poonam Malode	
8	Sonal Birhade	

**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 MGV students.

<b>Academic Performance Index</b>	<b>CAY<sub>m1</sub></b>	<b>CAY<sub>m2</sub></b>	<b>CAY<sub>m3</sub></b>
Mean of CGPA or Percentage of all successful the students (X)	60.647	61.763	61.673
Total no. of successful students (Y)	54	44	50
Total no. of students appeared in the examination (Z)	60	56	54
API = X/10*Y/Z	5.4582	4.8483	5.7047

**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 12<sup>th</sup> 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 - 60

Course	Duration	Sanctioned seats
B. Pharm	4 Years	60

Through CAP: 80% Seats of Intake (48 Seats)

Institute Level: 20% Seats of Intake (12 Seats)

B) Eligibility conditions and requirement for admission

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](http://www.dte.org.in))

C) Fees:As per fee prescribed by fee regulating authority i.e Shikshan Shulka Samiti [www.sssamiti.org](http://www.sssamiti.org)

**II-LATERAL ENTRY (Direct admission to S.Y B. Pharm) 10% of intake – 6 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 (2016-17)	CAYm2 (2015-16)	CAYm3 (2014-15)
<b>National Level Entrance Examination (Name of the Entrance Examination)</b>	<b>No. of Students admitted</b>	--	--	--
	<b>Opening Score/Rank</b>	--	--	--
	<b>Closing Score/Rank</b>	--	--	--
<b>State/University/Level Entrance Examination/Others (Entrance examination: MHT-CET)</b>	<b>No. of Students admitted</b>	26	40	41
	<b>Opening Score/Rank</b>	147/733	134/861	126/559
	<b>Closing Score/Rank</b>	65/17850	60/77	62/7810
<b>Name of the Entrance Examination for Lateral Entry or lateral entry details (Admission based on second year Diploma % Marks)</b>	<b>No. of Students admitted</b>	09	22	28
	<b>Opening Score (%) /Rank</b>	85.70 /91	82.10 /138	77.10 /363
	<b>Closing Score (%) /Rank</b>	74.60 /954	62.50 /1912	57 /2432
<b>Average CBSE/Any other Board Result of admitted students (Physics, Chemistry &amp; Biology)</b>		78.33	79.33	78.66

Lateral Entry % : 2014-15 & 2015-16= 20%, 2016-17=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 (2017-2018)

POs	Target Level	Attainment Level	Observations
<b>PO1:</b> <b>Pharmacy Knowledge:</b> 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.			
<b>PO1</b>	3.0	2.79	Nanotechnology: It was observed that the deeper knowledge aspect of

			nanotechnology and its applications was not there in the syllabus.of Final Year B Pharm.
<b>Action:</b> The lecture was conducted to impart knowledge regarding latest development in the field of Nanotechnology and its application in pharmaceutical industry. The lecture covers the advantages, limitations and application of nanotechnology in pharmaceutical and other fields. The lecture also covered the problems that are encounter during manufacturing of nanoparticles and nanosuspensions for pharmaceutical and cosmetic products. Date : 17/07/2017.			
<b>PO2:</b> <b>Planning Abilities:</b> Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.			
<b>PO2</b>	3.0	2.02	Product development and constructive concept to commercialization. The lecture focus on steps to follow for product development and its commercialization.
<b>Action1:</b> The lecture bridge the gap of syllabus by coving various points related to steps that need to be followed for product development. It also covered the various legal aspects that need to be followed and fulfilled for product commercialization. <b>Dated: 04/09/2017</b>			
<b>PO3:</b> <b>Problem analysis:</b> 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.			
<b>PO3</b>	3.0	2.16	Students need problems to be solved based on principles on scientific enquiry. This stimulates their cognitive analytical thinking process.
<b>Action 1: Comparison between microwave assisted and conventional synthesis of Benzimidazole. Dated: 14/02/2018 and 20/02/2018</b> <b>Action 2: Separation of dyes by column chromatography. Dated: 11/10/2018, 24/10 2018 and 30/10/2018.</b>			
<b>PO4:</b> <b>Modern tool usage:</b> Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.			
<b>PO4</b>	3.0	1.89	The application of DSC for assurance of purity and quality of drug is not elaborated in detail in the syllabus.



**Action1: The lecture bridged the gap of application of DSC for assurance of quality of drug. It also covered the various other application of DSC for drug molecules and excipients. Dated: 20/09/2017**

**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.

<b>PO5</b>	3.0	1.68	The students are not enriched with knowledge pertaining to opportunities and challenges as entrepreneur in Pharmaceutical Industry.
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**Action1:**

**A Guest lecture was arranged wherein students were enlightened with features of an entrepreneur and its scope. Dated 23/09/2017**

**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).

<b>PO6</b>	3.0	1.93	Generic medicine: Past, Current and Future in India. It was observed that students knew the brief knowledge of Generic drugs and its importance but were not aware about the procedures for filing of generic products in USA and Europe through ANDA filing.
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**Action1: The lecture covers the entire aspect of generic product, its importance in the current context and the procedure to submit data through ANDA. Important criteria that need to be fulfilled for obtaining license for generic product through ANDA were discussed. Scope of generic product, its current and future prospects were also highlighted. Dated: 22/09/2017.**

**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

<b>PO7</b>	3.0	1.75	Ethics Involved in Hospital Administration and Management has not been detailed in First Year Syllabus.
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**Action1: A guest lecture was arranged which covered the various aspect of administration and Ethics involved in Management by DGM of APPOLO Hospital, Nashik Dated : 17/11/2017.**

**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.

<b>PO8</b>	3.0	2.04	In order to improve communication skills amongst students a guest lecture was arranged.
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**Action1: A lecture on communication strategy by Commissioner of Income Tax was arranged for T. Y. B. Pharm. Students. Dated: 09/01/2018.**

**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.

<b>PO9</b>	3.0	2.23	Osteoporosis is commonly observed in elderly. Students are expected to create awareness of effects of Osteoporosis and its prevention and treatment to their family members and Society.
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**Action1: The lecture covers the major aspects of development of osteoporosis and its physiology and mechanism. The lecture covers the preventive measures to be taken to prevent development of osteoporosis in humans. Dated: 05/08/2017.**

**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

<b>PO10</b>	3.0	1.44	Environment, Health and Safety (EHS) policy and its implementation. It was observed that there was a gap in syllabus on how to practice safety while working in lab and Industry.
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**Action1: The lecture discussed the various aspect of Environment health and safety policy related with pharmaceutical industry. Various symbols related with safety and various types of fire extinguishers were also discussed along with handling of accidental fire cases. Dated :25/01/2018**

**Action 2: A guest lecture on EHS Policy and its implementation by Mr. Rohit Virmani,**

**GM-EHS, GlaxoSmithkline Pvt Ltd, Nasik was arranged. Dated :25/01/2018**

**Action 3: Environment related projects were assigned to S.Y.B.Pharm students to understand the implication of sustainable development.**

**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.

<b>PO11</b>	3.0	2.65	GPAT: GPAT is a gateway for B Pharm students for getting admission in PG and contributes to life long learning. Certain important tips need to be focused during its preparation. Other opportunities for B.Pharm graduates need to be focused.
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**Action1: A series of guest lectures for GPAT preparation was conducted by renowned faculties. Dated : 05/01/2018 and 06/01/2018**

**Action 2: A lecture by Dr. Rohan Pawar, our alumni spoke on unconventional job opportunities available for Pharma and science graduates in different fields. Dated : 01/02/2018.**

**POs Attainment Levels and Actions for improvement – CAYm1 (2016-2017)**

POs	Target Leve	Attainment Level	Observations
<b>PO1:</b> <b>Pharmacy Knowledge:</b> 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.			
<b>PO1</b>	3.0	2.79	The in-depth concepts in gene therapy and tissue Engineering was to be clarified by an expert from the field.
<b>Action1: A guest lecture on Gene Therapy and Tissue Engineering was arranged for Final year B Pharm students 07/03/2017.</b>			
<b>PO2:</b> <b>Planning Abilities:</b> Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.			

<b>PO2</b>	3.0	2.04	In order to demonstrate effective planning abilities including time and resource management and maintaining organization skills, non technical event management were assigned to the students.
<b>Action1:Final Year Students enthusiastically managed Ganesh Utsav Event-a five day program within the college. Students planned meticulously for the event with good time and resource management. Dated: 04 to 09/09/2016.</b>			
<b>PO3:</b> <b>Problem analysis:</b> 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.			
<b>PO3</b>	3.0	2.16	It was observed that students were unable to manage stressful states at times probably due to their packed academic schedule.
<b>Action1: In order to reduce stress, Yoga session was conducted so that students can regularly practice yoga which help them to reduce their stress and thus help in solving problems and making good decisions in their daily practice routine. Daily Yoga Practice shall also help them in prevention of Psychosomatic diseases. Dated: 21/06/2016.</b>			
<b>PO4:</b> <b>Modern tool usage:</b> Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations..			
<b>PO4</b>	3.0	1.89	The applications of X –Ray diffraction techniques has not been emphasized in T. Y. B. Pharm Syllabus.
<b>Action1:A lecture on X-Ray diffraction technique was conducted which covered current applications of it. Dated:29/04/2017.</b>			
<b>PO5:</b> <b>Leadership skills:</b> 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.			
<b>PO5</b>	3.0	1.67	Enterprunership skill lecture: To understand the importance of leadership skills and team building,therewas a need for a lecture.
<b>Action1: The lecture on – Our Contribution for Empowerment of India highlighted the importance of leadership and team building. From this lecture students were motivated to recognize there participatory role as a responsible citizen to built an integrated</b>			

**Nation. Dated: 29/09/2016**

**Action 2: S. Y. B. Pharm students hosted freshers party to welcome F. Y. B. Pharm Students thus depicting their team building spirit and leadership skills.**

**Action 3: Final Year Students arranged annual gathering program at the end of academic year.**

**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).

<b>PO6</b>	3.0	1.92	To identify various areas where Pharmacist can contribute in Health care system.
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**Action1: On the Occasion of World Pharmacist Day a lecture-Pharmacist role at various levels in Health care systems were arranged on 25/09/2016.**

**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

<b>PO7</b>	3.0	1.75	Pharmacist role in health care practice. The main motto is that students should understand their role in health care society.
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**Action1: On Pharmacist Day, a lecture on: Pharmacist role in health care system was arranged. In the lecture students came to know that they have to follow ethics and principles during their daily life to serve the society in larger context. Dated:25/09/2016**

**ActionN:**

**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.

<b>PO8</b>	3.0	2.05	Communication skills are nourished further among students by motivating them to participate in extracurricular programme held during NPW celebrations.
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**Action1: S. Y. students participated in debate and elocution competition and have won prizes. Dated : 02/01/2017.**

<b>PO9 :</b> <b>The Pharmacist and society:</b> 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.			
<b>PO9</b>	3.0	2.23	Awareness for significance of Balanced food for a healthy living has to be created in the society where Pharmacist Students play a vital role.
<b>Action1: A guest lecture was arranged on importance of healthy diet to avoid malnutrition and deficiency diseases by dietician from Appolo Hospital , Nashik. Dated 08/09/2016.</b>			
<b>Action 2: Student participated in Maha Arogya Shibir conducted in association with Govt. of Maharashtra. Dated:01/01/2017.</b>			
<b>PO10 :</b> <b>Environment and sustainability:</b> Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development			
<b>PO10</b>	3.0	1.45	To understand the impact of tree plantation and its future benefits students need to be inculcated with practical ideas for sustainable development.
<b>Action1: Tree plantation event was conducted on 17<sup>th</sup> July 2016 at Ramshej Fort.</b>			
<b>ActionN:</b>			
<b>PO11 :</b> <b>Life-long learning:</b> 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.			
<b>PO11</b>	3.0	2.65	Metabolic disorders contribute to major cause of health disorders. A lecture was arranged to acquire more scientific information on it.
<b>Action1: Dr. Pranav Shimpi (MS cardiac) from REHAB Lab Nashik spoke on reversal of metabolic disorders and its implications. Dated : 17/09/2016</b>			

**POs Attainment Levels and Actions for improvement – CAYm2 (2015-2016)**

POs	Target Level	Attainment Level	Observations
<b>PO1:</b> <b>Pharmacy Knowledge:</b> 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	2.81	The syllabus of B Pharm does not cover detailed structure elucidation of compounds using spectral data.
<b>Action1: The lecture on structure elucidation and spectroscopy was arranged to appreciate application of spectral data for structure elucidation of compounds. Dated:29/09/2015</b>  <b>ActionN:</b>			
<b>PO2:</b> <b>Planning Abilities:</b> 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	2.02	Bridging the gap between Industry and academia. It was observed that students lack knowledge regarding actual practices adopted and planning techniques in industry for API manufacturing.
<b>Action1: The students get acquainted with actual practices adopted in pharma API manufacturing Industry. The lecture covered the practical aspects regarding technological processes and equipment used in API manufacturing. As the practical is not included in the syllabus related with API Tech, the series of lectures covered and bridged the gap of syllabus of API Tech. Dated: 31/07/2015, 02/10/2015, 03/10/2015</b>  <b>Action 2: Jallosh-2016 an annual gathering events was managed by Final Year B Pharm Students. These gave our students to plan and organized a function. Dated : Feb 2016.</b>			
<b>PO3:</b> <b>Problem analysis:</b> 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	2.12	Basics and development in experimental pharmacology. To bridge the gap of pharmacological experiments related with animals.
<b>Action1: A two day national level seminar on –Recent Trends in Pharmacology sponsored by SPPU was held.The lecture was arranged to know how the basic and</b>			

**modern techniques can be applied for doing pharmacological experiments related with animals. Dated: 27/01/2016.**

**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.

<b>PO4</b>	3.0	1.87	Extraction, isolation and characterization of markers from important herbal plants used in single and polyherbal formulations using HPTLC (CAMAG)
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**Action1: The lecture was arranged to understand the importance of markers for standardization of herbal formulations. Dated: 17/08/2015.**

**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.

<b>PO5</b>	3.0	1.68	To appreciate the importance of team building and leadership skills non technical events were given to the students to manage.
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**Action1: S. Y B.pharm students hosted Freshers Party to welcome F. Y. B Pharm Students thus depicting there team building spirit and leadership skills.**

**Action 2: General Championship Trophy was won by our college students during NPW 2015-16.**

**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:

<b>PO6</b>	-	-	
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**Action1:**

**ActionN:**

**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



<b>PO7</b>	-	-	
<b>Action1:</b>			
<b>ActionN:</b>			
<b>PO8:</b>			
<b>Communication:</b> 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.			
<b>PO8</b>	3.0	2.03	Communication skills are nourished further among students by motivating them to participate in extracurricular programme held during NPW celebrations.
<b>Action1:</b> S.Y. B Pharm students participated in Group Discussion and Debate Competition during NPW Celebration. Dated: Jan 2016			
<b>PO9 :</b>			
<b>The Pharmacist and society:</b> 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.			
<b>PO9</b>	3.0	2.25	
<b>Action1:</b>			
<b>ActionN:</b>			
<b>PO10 :</b>			
<b>Environment and sustainability:</b> Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development			
<b>PO10</b>	3.0	1.46	The disposal of laboratory used chemicals /tissues with its significance needs to be emphasized in young minds.
<b>Action1:</b> During regular practicals, the concerned faculty from pharma chemistry and pharmacology department discuss with the students regarding as to how acids/ bases should not be put in drains directly before neutralizing them or safe disposal of used tissues respectively for environment sustainability.			
<b>PO11 :</b>			
<b>Life-long learning:</b> 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.

<b>PO11</b>	3.0	2.66	In order to create awareness about Road Safety in Young Minds a Lecture was arranged to understand the implication of the same.
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**Action1: A lecture on: Road safety – time for action was given by Police Inspector Traffic Mr Hanumantrao Gade. Dated 14/01/2016**

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	07
7.4	Improvement in the quality of students admitted to the program	15	11
7.5	Actions taken based on the results of evaluation of each of the POs	20	12
	<b>Total</b>	<b>75</b>	<b>52</b>

<b>CRITERION 8</b>	<b>Student support systems</b>	<b>50</b>
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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 20 teachers. Each faculty member is assigned a fixed number of students, right at the time of their joining of the program *i.e.* approximately 15 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 short comings 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- Antiragging committee, Student Council, student redressal and women's grievance committee.

## 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. The feedback is evaluated by the class teachers and incharges.

### 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 are 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 practicals before conducting experiment
- Students also give feedback on facilities provided by college and questionnaire system mention the details as follows:-
  - 1) Library Department-
    - a) Opinion about the library material for the course
    - b) Extent to which the material for prescribed readings are made available.
    - c) Library staff co-operation and helpfulness.
    - d) Reading space in the library.
  - 2) Computer Department-
    - a) Availability of internet access in computer lab
    - b) Sufficient computers available in lab

- c) 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
- 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.

#### Faculty Feedback Analysis CAY (2017-18):-

##### F.Y.B.Pharm ( Sem.I)

Sr.No.	Subject	Subject I/C	Percentage
1)	Pharmaceutics-I	Prof.K.R.Jadhav	86
2)	Modern Dispensing Practices	Prof.B.P.Wagh	76.66
3)	Pharm.Inorganic Chemistry	Prof.A. P.Bhosale	77.83
4)	Org.Chemistry-I	Dr.M.A.Tayde	82
5)	Human Anatomy and Physiology-I	Prof.S.H.Pawar	90.83
6)	Communication Skill	Prof.R.D.Pathak	85.66

##### F.Y.B.Pharm ( Sem.II)

Sr.No.	Subject	Subject I/C	Percentage
1)	Pharmaceutics-II	Prof.K.R.Jadhav	87.5
2)	Dosage Form Design	Prof.B.P.Wagh	79.33
3)	Pharm.Analysis-I	Prof.S. D.Pawar	79.66
4)	Organic Chemistry-II	Dr.M.A.Tayde	87.33
5)	Human Anatomy and Physiology-II	Prof.S.H.Pawar	78.74
		Prof. A.S Gadkari	66
6)	Pharmacognosy	Dr.J.Y.Nehete	85.33

##### S.Y.B.Pharm ( Sem.III)

Sr.No.	Subject	Subject I/C	Percentage
1)	Physical Pharmaceutics-I	Prof.B.P.Wagh	81.33
2)	Microbiology & Immunology	Prof.V.R.Jadhav	70.16
3)	Pharm.Biochemistry	Dr..S. A.Katti	87.66
4)	Organic Chemistry-III	Dr.S. A.Katti	90.66
5)	Pharmacology-I	Prof.S.H.Pawar	93.33
6)	Pharmacognosy & Phytochemistry-I	Dr.D.L.Attarde	90.16

7)	Environmental Sciences	Prof.R.D.Pathak	75.83
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## S.Y.B.Pharm ( Sem.IV)

Sr.No.	Subject	Subject I/C	Percentage
1)	Physical Pharmaceutics-II	Prof.B.P.Wagh	70.33
2)	Pathophysiology and Cli.Biochemistry	Prof.S.H.Pawar	72.16
3)	Pharm.Analysis-II	Prof.S.D.Pawar	65
4)	Organic Chemistry-IV	Prof.A.P.Bhosale	71.33
5)	Pharm.Engineering*	Prof.V.R.Jadhav	80
6)	Pharmacognosy & Phytochemistry-II	Dr.D.L.Attarde	90.5

## T.Y.B.Pharm ( Sem.V)

Sr.No.	Subject	Subject I/C	Percentage
1)	Industrial Pharmacy-I	Prof.K.R.Jadhav	90
2)	Medicinal Chemistry-I	Dr.S.K.Mahajan	77.33
3)	Pharm.Analysis-III	Dr.M.A.Tayde	80.16
4)	Pharmacology-II	Prof.A.S.Gadkari	70
5)	Active Pharm. Extraction Technology (APET)	Dr.D.L.Attarde	81.66
6)	Pharm.Business Management*	Dr.A.Y.Pawar	94.66
7)	Active Pharm. Ingredient Technology (APIT)*	Dr.S.K.Mahajan	77.33

## T.Y.B.Pharm ( Sem.VI)

Sr.No.	Subject	Subject I/C	Percentage
1)	Industrial Pharmacy-II	Prof.K.R.Jadhav	91.66
2)	Medicinal Chemistry-II	Dr.S.K.Mahajan	86.66
3)	Pharm.Analysis-IV	Dr.M.A.Tayde	80.33
4)	Pharmacology-III	Dr.P.S.Patil	81.13
		Prof.A.S.Gadkar	65.71
5)	Natural Product Chemistry	Dr.D.L.Attarde	89.33
6)	Bio-organic Chemistry*	Dr.S.A.Katti	87.83
7)	Biotechnology*	Prof.V.R.Jadhav	77.83

## Final Year B.Pharm ( Sem.VII)

Sr.No.	Subject	Subject I/C	Percentage
1)	Sterile Product Technology	Dr.A.Y.Pawar	88.4
2)	Medicinal Chemistry-III	Dr.S.A.Katti	66.16
3)	Pharm.Analysis-V	Dr.A.R.Rote	84.33
4)	Pharmacology-IV	Dr.M.Mohan	87.50

5)	Novel Drug Delivery System	Dr.A.Y.Pawar	79.50
6)	Bio-pharmaceutics and Pharmacokinetics*	Dr.R.R.Karmarkar	74.11
7)	Pharm.Jurisprudence*	Prof.K.B.Erande	80.5

## Final Year B.Pharm ( Sem.VIII)

Sr.No.	Subject	Subject I/C	Percentage
1)	Advance Drug Delivery System	Dr.A.Y.Pawar	93.4
2)	Cosmetic Science	Dr.A.Y.Pawar	91.66
3)	Pharm.Analysis-VI	Prof.A.R.Rote	88.5
4)	Medicinal Chemistry-III	Dr.S.A.Katti	71.83
5)	Pharmacology-V	Dr.M.Mohan	90.5
6)	Natural Product	Dr.J.Y.Nehete	88.16
7)	Quality Assurance Techniques*	Prof.K.B.Erande	85.33

**Corrective Actions Taken**

If feedback is good (more than 90%) Best Teacher- Appreciation letters and appreciation through mention in various meetings.

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 provide feedback on following facilities.
- Canteen
- Library
- Laboratory
- Computer Facilities
- Washroom Facilities
- Administrative Facilities
- Office related, Exam Facility

**Term I (Sem. I+ III+ V+ VII)**

Sr. No	Dept	F.Y( I )	S.Y(III)	T.Y(V)	Final(VII)	Avg.
1)	Library	65.25	60.75	63	65.25	47.81
2)	Computer	47.25	41.5	37.25	39	41.25
3)	Classroom	68	50	44	67	57.25
4)	Washroom	59	48	50	51	52
5)	Administrative	62	58	55	62	59.25
6)	Placement	66	66	57	65	63.5
7)	Canteen	54	48	46	48	49
8)	Equipment	57	54	50	60	55.25
9)	Drinking Water	75	62	63	60	65

**Term II (Sem. II+ IV+ VI+ VIII)**

Sr. No	Dept	F.Y(II )	S.Y(IV)	T.Y(VI)	Final(VIII)	Avg.
1)	Library	72.5	72.5	65.7	75.25	71.48
2)	Computer	53.25	52.75	42.5	51.25	49.93
3)	Classroom	74	65	57	72	67
4)	Washroom	70	61	57	65	63.25
5)	Administrative	74	69	62	73	69.5
6)	Placement	68	73	59	71	67.75
7)	Canteen	60	62	50	56	57
8)	Equipment	70	66	62	76	68.5
9)	Drinking Water	80	72	65	74	72.75



**Corrective Actions Taken:-**

- 1) Computer Dept:- New purchase of computers, availability of internet access done and self learning tools updation in process. The department also assists students in handling DBT issues related to them.
- 2) Canteen Facility:- Recruitment of new Caterer for improving canteen facility.
- 3) Implementation of systems for overall self assessment of students performance by V.M Edulife Pvt Ltd,Pune in process. Administration work related to account section and scholarship is also assisted by Vruddhi Software for the students.

**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.

**Corrective Actions Taken:**

- 1) Shift of focus from theory to Industry/Hospital Visits
- 2) Theoretical and Practical Knowledge being supplemented by Expert 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.
- **DELNET** facility is provided to students for online searching of reputed national and international research articles.
- **Download, printouts and Xerox facility** is freely available in computer and library department. Library department have latest configuration 3 PCs with printer and Xerox facility attached.
- 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** and 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 WiFi system.
- **Slideshare** and **author stream** are available on **Youtube** 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.

Students are generally encouraged to attend seminars/ workshops conducted in /outside college. **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 do **mini projects** which helps them to develop their self learning skills may assist in their future academic growth (by way of publications).

Laboratory curriculum is supported by experiments beyond syllabus thus supplementing the syllabus with additional skills.

### 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.
- **“PharmaJob Fest”** is an event regularly arranged by the college each year wherein group of companies participate to choose their suitable candidates. Such placement fest is open to students of nearby college students.
- 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 Pharma 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 specially 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 have increased significantly over past three years.

**Some of the guest lectures pertaining to placement cell**

Date	Topic and subject	Resource Person & affiliation	Students present
11/07/2015	Preparation of GPAT/GATE Examination	Mr PramodShinde Sun Pharma Limited, Baroda	Final year and third year B.pharm
31/07/2015	Bridging the gap between Industry and academia	Mr.Milind Jadhav General Manager Turbhe Chemicals Pvt Ltd,Turbhe,,Mumbai	Final year B.pharm and M.pharm
20/10/2015	Interview Techniques	Mr.R.Jouhri Skill development and placement centre,AmbarApt,DK Nagar ,Nasik	Final year B.pharm and M.pharm
02/01/2015	Personality Development	Dr.P.V.Rasal Co-ordinator SPPU, Pune	Final year B.pharm and M.pharm
24/06/2016	Implementation of systems for self assessment of the students	Mr Manish Yeole&AbhijeetWani VM EDULIFE Pvt. Ltd. B-7, Darshan Complex, Pune-01	Final year B.pharm and M.pharm
08/02/2017	Professional/Career options for Pharmacy Students	Dr. Rupali Khaire& Prof. Ganesh R. Teltuwade MGV's IMR Nasik	Final year B.pharm and M.pharm
20/02/2017	Spiritual perspective of personality development	Shri. NarasimhakrupaPrabhuji ISKON, Mumbai	Final year B.pharm and M.pharm
07/07/2017	Nanotechnology	Dr. Balaji Sitharaman Stony Brook University, New York	Final year B.pharm and M.pharm
04/09/2017	Product	Dr.SatyjeetNarode	Final year B.pharm and

	Development & Constructive Concept to Commercialization	Royce Pharma USA	M.pharm
07/09/2017	HPTLC Technique	Dr. Prashant Hande Mr. Shahrukh Bharucha Anchrom, Mulund Mumbai	Final year B.pharm and M.pharm
19/09/2017	GC & GCMS; IR Spectroscopy UV Spectroscopy; DSC	Mr. R. Girijan Toshvin Analytical Pvt. Ltd ; Mumbai-400011	Final B.pharm and M.pharm
23/03/2017	Clinical Trials Regulation	Mr. Pravin Jagtap Central Drug Inspector, Delhi	Final B.pharm and M.pharm
28/10/2017	Pharmacovigilance	Mr. Sachin Tadge Team Leader Cognizant	M.pharm
12/11/2017	GPAT Discussion	Dr. Anwar Shaikh Professor, Allana College of Pharmacy, Pune	Final B.pharm
07/12/2017	Phase I to Phase IV Clinical Pharmacology with Case Studies	Dr. Aniruddha Amrite Asso. Director TESARO, Waltham, MA; USA	M.pharm
05/02/2018	Opportunities Abroad	Ms. Neetu Singh & Mrs Neha Prabhu Akshay Study Abroad & Assistance For Education Abroad	Final B.pharm

**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 who have visited our college and assisted in placement program are as under: -

1. GlaxoSmithKline Pharmaceuticals Ltd,
2. Glenmark Pharmaceuticals Ltd,
3. Fresenius Kabi India Pvt. Ltd
4. Mylan Laboratories Ltd
5. Sun Pharmaceuticals Ltd
6. J.B. Chemicals and Pharmaceuticals Ltd.
7. Encube Ethicals Pvt Ltd

8. Jagsonpal Pharmaceuticals Ltd
9. Tata Consultancy Services-BPS
10. Lupin Pharmaceuticals Ltd.

#### **The impact of training and placement cell**

<b>Sr.No.</b>	<b>Year</b>	<b>No. of B.Pharmacy students selected for job/entrepreneur</b>
1	2014-15	18
2	2015-16	17
3	2016-17	25

#### **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 MGVS 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.
  - MGVS'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.
    - ✓ Preparing students for the real world
- a) Basic tips on intellectual skills.
  - b) Basic knowledge on money matter.

- While celebrating silver jubilee year, MGV's Alumni member 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 MGV's Alumni Entrepreneur Cell**

<b>Date</b>	<b>Topic and subject</b>	<b>Resource Person &amp; address</b>	<b>Students present</b>
23/09/17	Opportunities and Challenges as Entrepreneur in Pharmaceutical Industry	Hon. Abhijit Motiwale, Director, McW Healthcare Pvt. Ltd	Final B.pharm M.Pharm
01/02/18	Unconventional Job Opportunities Available For Pharma/Science Graduates In Different Fields	Mr.Rohan Pawar, RAP Analytical Research & Training Centre, Nashik	Final B.pharm
22/09/17	Generic Medicine: Past, Current & Future in India	Mr. Sachin S Birari Founder & Director, Generilife Pvt Ltd Nasik	F.Y. B Pharm

**Impact of Entrepreneur Cell Alumni with industrial and wholesaler background**

<b>Sr. No.</b>	<b>Alumni Name (Entrepreneur)</b>	<b>Industry/Wholesale shop</b>	<b>Place</b>
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	Vedshreeayurved	Nashik
06	Dr Rohan Pawar	RAP Analytical Pvt. Limited	Nashik
07	Mr Prathamesh Pathak	Nagajurna Ayurved	Nashik
08	Mr Prashant Bedse	TriveniHospicare	Nashik
09	Mr Pravin Jain	Arihant Pharma	Nandurbar
10	Ms Anjali Katariya	Reve Pharma Pvt Limited	Sinnar

## 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.

**Student Council Committee** helps in co-ordination of various co-curricular and extra-curricular activities in college.

### Co-Curricular activities:-

- **Paper Publication:** Students are encouraged to participate in various national conferences and allow publishing papers on scientific reviews /articles. The following are the publications:
  - 1) Mahalaxmi Mohan, Hemant Vanjari, **Shrey Srivastava**. Effect of Methanolic extract of *Solanum torvum* on pA2 value of atropine by using Acetylcholine as agonist on rat ileum tissue preparation. *Inventi Rapid: Ethnopharmacology*, 2018(4), 1-4.
  - 2) S.A. Katti, **Luketa Alai, Rasika Mahale**. Synthesis, Molecular docking and evaluation of antifungal activity of some benzyl benzimidazole derivatives. *Der Pharma Chemica* 8(4), 425- 433, 2016.
  - 3) A.P. Bhosle, **Akshay Patil, Mandeep Swami**. Herbosomes as a novel drug delivery system for absorption enhancement. *World Journal of Pharmacy and Pharmaceutical Sciences*. 5(1), 345-355. 2015
- **Poster Publications:** Faculty members guide our students in preparation of scientific posters and allow them to present in national conferences and Savitribai Phule Pune University sponsored Avishkar competition held at MVP Samaj's College of Pharmacy, Nashik and MGV's Pharmacy College, Panchavati, Nashik. Students attended public symposium organized by 'Magnum Heart Institute' on 04/11/2017. Mr. Jalinder Bhutekar and Mr Ganesh Bhavar from final year was allowed to attend 2 days seminar and poster presentation on the occasion of Lonar Mahotsav at College of Arts, Commerce and Science, Buldhana. Students from S.Y.B.Pharm and T.Y.B.Pharm participated in Poster presentation at two days National Level Seminar on current trends, development and advancement in Drug delivery system hosted by college, on 23/01/2018 and 24/01/2018.

Sr.No.	Name of student/s	Year	Topic
1.	Harish Khirnar, Shruti Kulkarni, Nakshatra Choudhari, Mrudul Deshpande, Shreya	S.Y.B.Pharm	Novel Delivery of Insulin



	Wagh		
2.	Pratik Sinkar, Bhushan Mahajan	T.Y.B.Pharm	Nano Robotics in drug delivery

Students of F.Y.B.Pharm and S.Y.B.Pharm participated in poster competition held during Two days National Seminar on Current trends in Pharmaceutical Sciences-24/01/2017 &25/01/2017

Sr.No.	Name of student/s	Year	Topic
1	Pratik Katore	F.Y.B.Pharm	'Drug Coding and its applications'
2	Lalita Joshi	S.Y.B.Pharm	'Advancement in Pulmonary Drug Delivery
3	Pavan Ahire,Nikhil Choudhari,Abhishek Ghumare,Gaurav Salunke	S.Y.B.Pharm	'Generic Drugs Vs Branded Drugs'

- **Model Making Competition:** Students are guided in making of scientific models and charts and allowed to present them in national conference- held at SMBT College of Pharmacy, Nandi Hills, Dhamangaon. Mr.Badaan Tejas and Mr.Varshney Akansh participated in the event.
- S.Y.B.Pharm students participated in model making competition held during National Pharmacy week (2017-18).

Sr.No.	Name of student	Year	Topic
1.	Akansh Varshey and Tejas Bhadan	S. Y. B. Pharm.	Model making for NPW on topic insulin release after hyperglycemia.

- **Quiz Competition:-** Our students were motivated to participate in quiz competition organized by MET Institute of Pharmaceutical Sciences call MET- Explore and have won prizes.

Sr. No	Name of participant	Venue	Event	Rank/ Status
1	Mr. Vallabh Suryavanshi	MET	Win it in a minute	Participated

			(Poetry reading)	
2	Mr. Vallabh Suryavanshi, Mr. Pratik Sinkar, Mr. Bhushan Mahajan	MET	Industrial Problem Solving	First Position
3	Ms. Lalita Joshi, Ms. Shubhangi Sukenkar, Mr. Rushikesh Patore	MET	Industrial Problem Solving	Participated
4	Mr. Pratik Sinkar	MET	Placement Practices	Participated
5	Mr. Shrey Srivastava	MET	Placement Practices	Participated

- **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 to develop the scientific 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. T.Y.B.Pharm student was assigned project on 'Formulation and development of Phytosomes' by Dr.J.Y.Nehete.

Sr.No.	Name of student	Year	Topic
1.	Bhushan Mahajan	T.Y.B.Pharm	Formulation and development of Phytosomes

- **Avishkar Projects:** Students enthusiastically participate in Avishkar projects sponsored by SPPU. Students from Final year B.Pharm participated in 'Avishkar' research competition held by Savitribai Phule Pune University in October 2015.

Sr.No.	Name of student	Year	Topic
1	Luketa Alai, Rasika Mahale	Final Yr .B.Pharm	Synthesis and Evaluation of 5-chloro Benzyl Benzimidazole Derivatives as novel antifungal agents.
2	Pooja Khairnar, Amol Pagar.	Final Yr .B.Pharm	Study of bactericidal activity of antibiotics against Bacterial Blight(Telya) over pomegranate.

**Curriculum Related Seminars:- 2017-18**

Sr.No.	Date	Name of the resource person	Topic of Seminar/Workshop/Discussion
1	July-2017	Dr. Balaji Sitharaman Stony Brook University, New York	Nanotechnology
2	Aug-2017	Mr. Ganesh S.Sharma Application Specialist Metrohm India Ltd, Mahape, Navi Mumbai	Basics of pH, Karl Fischer Titration, Ion Chromatography, Polarography & Voltametry
3	Aug-2017	Dr. Vijay R. Kakatkar Ramkrishna Medical Research Center, Jai Hospital Pvt. Ltd. Nasik	Osteoporosis, Physiology & Mechanism
4	Sept-2017	Dr. Satyjeet Narode Royce Pharma USA	Product Development & Constructive Concept to Commercialization
5	Sept-2017	Dr. Prashant Hande Mr. Shahrukh Bharucha Anchrom, Mulund Mumbai	HPTLC Technique
6	Sept-2017	Mr. R. Girijan Toshvin Analytical Pvt. Ltd ; Mumbai-400011	GC & GCMS; IR Spectroscopy, UV Spectroscopy; DSC.
7	Sept-2017	Hon. Pravin Jagtap Central Drug Inspector, Delhi Hon. Basant Yadav Central Drug Inspector, Indore	Clinical Trials Regulation  Enforcement on the Spurious Drugs as per Drugs and Cosmetics Act

**Curriculum Related Seminars/Activities:- 2016-17**

Sr.No.	Date	Topic of Seminar/ Discussion/Activity
1	Sept-2016	Guest Lecture -Reversal of Metabolism Disorders by Dr.Pranav Shimpi.
2	Oct-2016	One day State level seminar –Recent Trends in Chromatographic Techniques

3	Dec-2016	Student participation at Avishkar-2016
4	Feb-2017	Guest Lecture- Pharmaceutical Marketing by Mr.Prashant Hiray
5	Feb-2017	Guest Lecture- Requirement for opening Medical Store.
6	Feb-2017	Guest Lecture- Entrepreneurship and Industrial Jobs.
7	Mar-2017	Guest Lecture-Gene Therapy and Tissue Engineering by Dr. Meenakshi Shriram
8	April- 2017	Guest Lecture- X-Ray Diffraction Techniques by Dr.S.G.Wakchaure

### Curriculum Related Seminars:- 2015-16

Sr.No.	Date	Resource Person Details	Topic of Seminar/ Discussion/Activity
1	July-2015	Mr.Pramod Shinde, Sun Pharma Limited Baroda	Preparation of GPAT/GATE Examination
2	July-2015	Mr.Milind Jadhav General Manager, Turbhe Chemicals Pvt Ltd,Turbhe,Mumbai	Bridging the gap between Industry and academia
3	Aug- 2015	Dr.K.A.Suri Director Grade Assistant, Indian Institute of Integrative Medicine(IIM) Formerly Regional Research Laboratory(RRL), Jammu India	Extraction, isolation and characterisation of markers from. Important herbal plants used in single and polyherbal formulation.
4	Aug- 2015	Prin. Prof. R. Y. Patil Director, BCUD, Solapur University,Solapur Principal D.S.T.S. Mandal's College of Pharmacy,Solapur	Basics and development in Experimental Pharmacology
5	Sept 2015	Dr.Rajendra S. Marathe Professor, Government College of Pharmacy, Aurangabad	Structure elucidation by Spectroscopy
6	Oct- 2015	Mr.Milind Jadhav General Manager, Turbhe Chemicals Pvt Ltd,Turbhe,Mumbai	Active Pharmaceutical Ingredients Technology
7	Oct- 2015	Mr.R.Jouhri Skill Development and Placement Centre, DK Nagar ,Nasik	Interview Techniques
8	Jan- 2016	Dr.P.V.Rasal	Personality Development

		Co-ordinator, SPPU Pune	
9	Mar-2016	Dr. Narhari Malgaonkar (MD,DNB) Dr.Sonali Malgaonkar (MS) Progenesis Fertility Centre, Nasik	PCOS Education: For Adolescent Girls

**Extra Curricular activities:-**

**Sports & Cultural Activities:** - Students are encouraged to participate 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 called as **MGVS Mahotsav** and **NPW celebration**.

Annual cultural event called '**Amood**' 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.

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.
- Breathe Test- Lung Capacity.
- Tree Plantation Program

***Intra College:-MGV Mahotsav Events (2017-18)***

<b>Volleyball Team</b>	
Sr.No.	Name of the Students
1	Borse Prasad
2	Tarle Tushar
3	Shete Atharva
4	Mhaskar Akshay
5	Kakad Prasad
6	Kotkar Mayur
7	Jagdale Sangram
8	Basare Ankush
9	Birhade Priyanka
10	Kanade Rupali
11	Pagar Pooja

<b>Football Team</b>	
Sr.No.	Name of the Students
1	Varshney Akansh
2	Tarle Tushar
3	Shete Atharva
4	Sajguru Pratik
5	Kakad Prasad
6	Basare Ankush
7	Loharkar Soham
8	Shelke Abhishek
9	Badhan Tejas
10	Bhamare Kuldeep
11	Sonawane Shubham
12	Suryawanshi Parijat
13	Navghare Akshay

<b>Kabbadi Team</b>	
Sr.No.	Name of the Students
1	Borse Prasad
2	Tarle Tushar
3	Shete Atharva
4	Mhaskar Akshay
5	Kakad Prasad
6	Kotkar Mayur
7	Jagdale Sangram
8	Basare Ankush
9	Birhade Priyanka
10	Kanade Rupali
11	Pagar Pooja
12	Gadakh Prasad
13	Jadhav Sarvesh
14	Vetal Umesh
15	Magar Kaustubh

<b>Kho-Kho Team</b>	
Sr.No.	Name of the Students
1	Bhamare Kuldeep
2	Kedar Pratik
3	Jadhav Jayesh
4	Kanade Rupali
5	Niphade Pooja
6	Hagawane Apurva
7	Joshi Lalita
8	Pandit Prathamesh
9	Kulkarni Prathamesh
10	Patore Rushikesh

<b>Basket Ball Team</b>	
Sr.No.	Name of the Students
1	Badgujar Vaishnavi
2	Bagale Smita
3	Atale Diksha
4	Shaikh Minhaz

***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:-

- Organising 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.

Sports events include Carrom, Chess, Badminton, Cricket, Kho-Kho, Throw-Ball, Volley-Ball, Badminton, Table Tennis and Swimming. 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. **MGV's Pharmacy College has won the General Championship award for 3 successive years-2016-17, 2015-16, 2014-15 in NPW function**

**Academic Year 2017-18 (Event Name-NPW and organized by IPA)**

Name of student	Activity	Awards
Mr. Vallabh Suryavanshi, Mr. Shrey Srivastava	Debate competition	Participated
Mr. Vallabh Suryavanshi, Mr. Pratik Katare, Ms. Samruddhi Kulkarni, Ms. Rutuja Shinde, Mr. Pratik Sajgure, Mr. Prakash Shinde and Ms Laalan Kulkarni	Group Singing competition	First Position
Ms. Samruddhi Kulkarni	Solo Singing Competition	First Position
Mr. Pratik Katare	Dance	Participated
Mr. Pratik Katare	Blood donation	Participated
Mr. Pratik Katare	Skit	Participated

Mr. Ghatker Tejas, Ms. Sonali Patil, Ms. Priyanka Binnar, Ms. Sonam Mali, Ms Meha Nakrani, Ms Pinjari Shaista, Mr. Kakad Prasad	Fancy Dress competition	Second Position
Mr. Sayli Erande and Pratik Katare	Carrom	Second Position
Ms. Aishwarya Chumbale and team	Throwball competition	Participated
Ms. Aishwarya Chumbale, Ms Kaveri Mokat and team	Cricket	Participated
Ms Kaveri Mokat, Ms Rupali Kanade and team	Kho-Kho	Participated

<b>Boys Cricket Team</b>	
Sr.No.	Name of the Students
1	Rayate Rushikesh
2	Pawar Rahul
3	Boraste Shubham
4	Suryawanshi Gaurav
5	Potphode Vishal
6	Deore Sagar
7	Borse Prasad
8	Sajguru Pratik
9	Loharkar Soham
10	Dhikale Akshay
11	Bhamare Mahesh
12	Pathade Sachin
13	Salunkhe Gaurav
14	Pande Ashish
15	Gangurde Rahul

<b>Badminton Team</b>	
Sr.No.	Name of the Students
1	Rayate Rushikesh
2	Jadhav Sejal
3	Patel Sharmeen
4	Jeughale Saurav
5	Gangurde Swapnali
6	Patare Rushikesh
7	Shaikh Minhaz
8	Sajguru Pratik

<b>Dance Competition Team</b>	
Sr.No.	Name of the Students
1	Ghatkar Tejas

<b>Girls Cricket Team</b>	
Sr.No.	Name of the Students
1	Hagawane Apurva
2	Joshi Lalita
3	Atale Diksha
4	Khapare Prachi
5	Bagale Smita
6	Tidke Snehal
7	Bande Nilam
8	Deore Dhanashri
9	Darpe Dhanashri
10	Chumbale Aishwarya
11	Mokat Kaveri
12	Shinde Rutuja
13	Patil Nikita
14	Shinde Snehal

<b>Throwball Team</b>	
Sr.No.	Name of the Students
1	Hagawane Apurva
2	Atale Diksha
3	Bagale Smita
4	Patil Nikita
5	Shinde Rutuja
6	Kale Akshada
7	Badgujar Vaishnavi
8	Bhusare Nilam
9	Chumbale Aishwarya
10	Bam Shraddha
11	Bangera Vini
12	Darpe Dhanashri



2	Katare Pratik
3	Erande Sayali
4	Joshi Lalita
5	Bhanushali Upasna
6	Gosavi Neha
7	Kanthale Pooja
8	Sangle Shweta
9	Salunkhe Aishwarya
10	Kanade Rupali
11	Kadam Sayali
12	Mahale Akanksha

<b>Fancy Dress Competition</b>	
Sr.No.	Name of the Students
1	Ghatkar Tejas
2	Kakad Prasad
3	Patil Sonali
4	Binnar Priyanka
5	Mali Sonam
6	Nakrani Meha
7	Pinjari Shaista Shareef

<b>Skit Competition</b>	
Sr.No.	Name of the Students
1	Katare Pratik
2	Loharkar Soham
3	Sajguru Pratik
4	Varshney Akansh
5	Badhan Tejas
6	Birhade Priyanka
7	Bhoir Anjali
8	Patil Minal

<b>Singing Competition</b>	
Sr.No.	Name of the Students
1	Katare Pratik
2	Kulkarni Samruddhi
3	Sajguru Pratik
4	Shinde Rutuja
5	Suryawanshi Vallabh
6	Shinde Prakash
7	Kulkarni Lalaan

### Extra Curricular Seminars/Activities:- 2017-18

Sr.No.	Date	Name of the resource person	Topic of Seminar/Workshop/Discussion
1	July-2017	Dr. Manasi Pawar Skin Alive Clinic (Perfect Skin & Cosmetic Center) Nasik	Hair fall management/Acne management/Hyper pigmentation management .
2	July- 2017	Mr. Shyamdatta Vibhandik Writer & Director of Short Films.	Nari Shakti ( The power of women)
3	Sept-2017	Mr. Sachin S. Birari Founder & Director, Generilife Pvt ltd Nasik	Generic Medicine: Past, Current & Future in India.
4	Sept-2017	Hon. Abhijit Motiwale, Director, McW Healthcare Pvt. Ltd	Opportunities and Challenges as Entrepreneur in Pharmaceutical Industry.
5	Oct-2017	Mr. Amol Kulkarni	Stress management.

		Healthview, Manovedh, psychological & physical health, shastri peth, Nasik	
6	Nov-2017	Mrs. Kunda Mahajan Visiting faculty, HMCT College, Panchavati, Nasik	Nutrition & Balanced diet.
7	Nov-2017	Mrs. Kunda Mahajan Consulting Nutritionist	Junk Food-Harmful effects.
8	Nov-2017	Mr. Sachin Parekh DGM Apollo Hospital	Hospital Administration & Management.
9	Dec-2017	Dr. Shilendra Gaikwad	Positive way to solve day to day activities.
10	Jan-2018	Mr. Deepak Bhagat	China's Economic Dominance.
11	Jan-2018	Mr. Shankarlal Meena Commissioner of Income Tax, Nasik	Communication Strategy.
12	Jan-2018	Dr.Kshma Aghor	Comprehensive Healthcare for Women.
13	Jan-2018	Dr. Suresh Malodia Entrepreneurship Development of India.	Women Entrepreneurship Workshop.
14	Feb-2018	Dr. Gauri Labade	Vaat Swaccha Aarogyachi
15	Mar-2018	Ms.Mughdha Thorat	Shivaji Maharaj's perspective towards women.

**Board of Student Development Activities: - ( Funded by S.P.P.University) (2017-18)**

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	Special Guidance Scheme	Academically Weak Students are allowed to participate on special guidance scheme lectures	Academically poor F.Y.B.Pharm
5	Fearless Girl Campaign	Girls are allowed to attend guest lectures to develop self defence, to built self confidence and personal hygiene	All girl students of B.Pharm and M.Pharm
6	Special Guest Lecture	Seminar was arranged on	Final Year B.Pharm

		Intellectual property rights and Patent Technology	and M.Pharm Students
7	Tree Plantation Drive	Mass tree plantation drive conducted by 'Green Army' of our College.	All
8	Cyber Security	To create awareness among students about internet banking and security on various social sites.	All
9	Stress Management	Hon' Prime Minister Shri. Narendra Modiji delivered a online lecture on stress management.	All
10	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
11	Marathi Bhasa Gaurav Din	To create the importance of Marathi as RajyaBhasa.	All

#### Extra Curricular Seminars/Activities:- 2016-17

Sr.No.	Date	Topic of Seminar/ Discussion/Activity
1	June-2016	Guest Lecture- Speech on 'International Yoga Day' Celebration by Mr.Subhash Upadhyey.
2	July-2016	Tree Plantation Program at College Campus
3	July-2016	Alumni Meet of 1999 batch
4	July-2016	Participation in Organ Donation Camp Awareness Rally
5	Aug- 2016	Blood Donation camp
6	Aug-2016	Freedom Fortnight day
7	Sept-2016	Visit by skin specialist –Dr. Amol Metkar
8	Sept-2016	Distribution of Calcium and Iron tablets
9	Sept-2016	Ganesh Utsav Celebrations
10	Sep-2016	Sashakta Bharat Abhiyaan
11	Sept-2016	Fresher's Party
12	Sept-2016	Guest Lecture-Personality Development
13	Sept-2016	Guest Lecture- Healthy Diet for Adults by Mrs.Tejashree Jare
14	Sept-2016	Guest Lecture- Pharmacist Role in Healthcare Sysytem by Mr.Uday Tiwari on the occasion of 'World Pharmacist Day' Celebration
15	Sept-2016	Guest Lecture- Our Contribution for Empowerment of India by Mr.Manoj Jangda
16	Oct-2016	Gandhi Jayanti with Swachtha Abhiyaan
17	Oct-2016	Diwali Celebration with Aadhar Aashram Orphans
18	Oct- 2016	'Nectar 2016' Magazine publication and Inauguration
19	Feb-2017	Guest Lecture- Spiritual Perspective of Personality Development by

		Mr.Narshinmhakrupa Prabhuji
20	Feb-2017	Guest Lecture- Professional/ Carrer options for Pharmacy Graduates by Dr.Rupali Khaire and Mr. Ganesh R Tumbade
21	Mar-2017	Guest Lecture- Stress Management by Dr. Kavita Deore

### Extra Curricular Seminars/Activities:- 2015-16

Sr.No.	Date	Topic of Seminar/ Discussion/Activity
1	Aug-2015	Blood Donation Camp
2	Aug-2015	Vann-Prastha Vrudhashram Visit -Tapovan ( Distribution of blankets and essentials at vrudhharashram.)
3	Sept-2015	Ganpati Festival Celebrations Teachers day celebration
4	Sept-2015	Educational Tour- Konkan by Final Year B.Pharm Students
5	Jan-2016	Guest Lecture-Yoga and its philosophy for human well being and education by Mr.Ninad Varkhede
6	Jan-2016	54 <sup>th</sup> NPW celebration- General Championship Winner
7	Jan-2016	Dental Check-up Camp.
8	Jan-2016	Guest Lecture Road, Safety- Time for action by Mr.Hanumantrao Gade
9	Jan.2016	Two days National Level Seminar on- Recent Trends in Pharmacology
10	Jan.2016	Guest Lecture- Investment Awareness Programme by Mr.Piyush S. Gangle
11	Feb-2016	Guest Lecture by Mr.Amol Patil on occasion of Shivjayanti
12	Feb-2016	Annual Gathering Programme- <b>Jallosh</b> 2016
13	Mar-2016	Felicitation of STI exam topper
14	Mar-2016	Participation in woman's bike rally in association with Maharashtra Times
15	April-2016	Naukri Mahotsav- Job Fest.

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	09
8.3	Feedback on facilities	05	04
8.4	Self Learning	05	04
8.5	Career Guidance, Training, Placement	10	07
8.6	Entrepreneurship Cell	05	04
8.7	Co-curricular and Extra-curricular Activities	10	10
	<b>Total</b>	50	42

<b>CRITERION 9</b>	<b>Governance, Institutional Support and Financial Resources</b>	<b>100</b>
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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	Prof 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		
2015-16	2016-17	2017-18
17/08/2015	14/11/2016	08/02/2018

**B. The College Development Committee (CDC)**

College Development Committee was newly framed as per the Maharashtra university act 2016. Earlier this committee was recognized as Local Managing Committee. The following is the Composition of the CDC of MGVPCC for the year 2017-2018.

Sr no	Name of the Member	Designation
1	Dr. Pradeep G. L.	Chairman(Nominated by the Chairperson)
2	Shri Pratik Narayan Kale	Member(Nominated by the Secretary)
3	Shri Kiran Kashiram Patil	Member(Nominated by the Management)
4	Shri S. K. Mauli	Member(Nominated by the Management)
5	Shri Milind Katariya	Member(Nominated by the Management)
6	Shri Deepak Devidas Sonawane	Member(Nominated by the Alumnus)
7	Dr Sunil Kashinath Mahajan	Head of the Department (Nominated by the Principal)
8	Prof Suvarna Abhijit Katti	Teaching Representative-Female
9	Prof Ambadas Rangnath Rote	Teaching Representative-Male
10	Dr Tushar Narendra Lokhande	Teaching Representative-Male
11	Shri Sanjay Keshav Kadve	Non-Teaching Representative
12	Dr Mahalaxmi Mohan	Co ordinator of IQAC
13	Ms Mugdha Sonawane	Student Representative(President of College Student Council)
14	Mr Gaurav Salunke	Student Representative(secretary of College Student Council)
15	Dr Santosh. R. Tambe	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

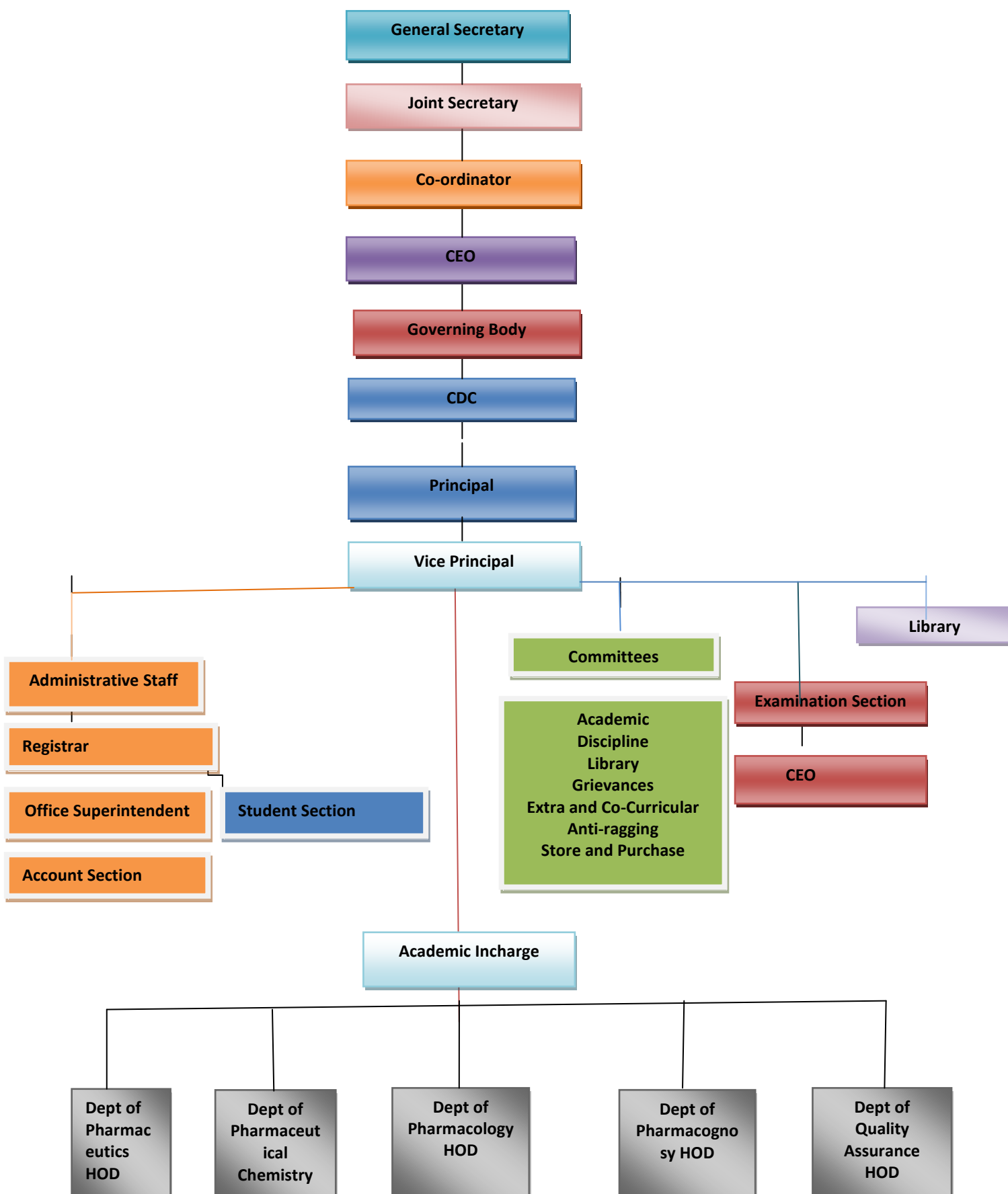


- vii. Make specific recommendations regarding the improvement in teaching and suitable training programmes for the employees of the college
- ix. Prepare the annual financial estimates (budget) and financial statements of the college or institution and recommend the same to the management for approval
- 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**

<b>Dates of Meeting</b>		
<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>
26/06/2015	24/10/2016	29/09/2017
16/12/2015	27/03/2017	27/02/2018
15/03/2016	-----	-----

**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 and AICTE 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.

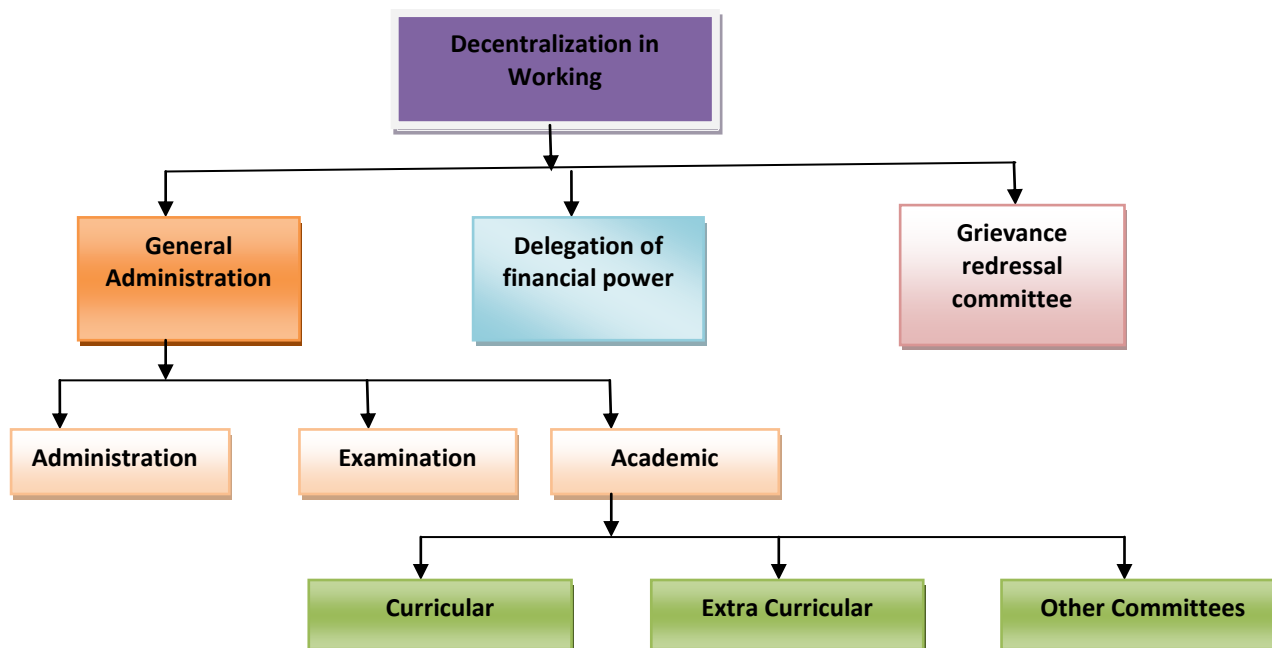
Sr no	Name of Teaching staff	Promotion Adhoc to Permanent (Oct 2017)
1	Mrs Vrushali R Jadhav	Assistant Professor
2	Mrs Anuja P Bhosale	Assistant Professor
3	Mahalaxmi Mohan	Professor

All the procedure is followed by the MGVPC. The availability is notified on the institute website [www.mgv.org.in](http://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****CAYm2 (2015-16)**

In order to facilities the administration and smooth functioning of the college, the following staff members were appointed as In Charges / members for the various committees for the academic year **2015-16** with immediate effect from **16/06/2015**

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 w-ill continue to function for the **2015-16** and till new committees has been formulate for the next academic year.

**INCHARGE OF THE FOLLOWING COMMITTEES:**

M. Pharm In charge : Prof. A.R. Rote

B. Pharm In charge : Prof. S.K. Mahajan

Sr. No	Name of the Committee	Name of the In Charge Staff Members
1	Academic In Charge , Anti ragging , Discipline, Time table	Dr.J.Y.Nehete  UG- MrsV.R.Jadhav PG- Mrs A.P.Bhosale
2	Examination Committee <ul style="list-style-type: none"> <li>• CEO</li> <li>• Exam Incharge 2013 Pattern (UG)</li> <li>• Exam Incharge 2015 Pattern (UG)</li> <li>• Internal &amp; External (PG)</li> </ul>	Prof.K.B.Erande  M.S.Junagade  Dr.R.A.Patil  Dr.R.R.Karmarkar
3	Store, Purchase & Maintenance	Dr.T.N.Lokhande
4	Admission Committee <ul style="list-style-type: none"> <li>• UG</li> <li>• PG</li> </ul>	Dr.A.Y.Pawar, Prof.K.R.Jadhav  Prof. A.R.Rote , M.S.Junagade

5	NAAC/ NBA	Dr.S.K.Mahajan, Dr.A.Y.Pawar,Dr.M.Mohan
6	Students Welfare	Prof. B.P.Wagh
7	Academic & Research Coordinator BCUD QIP equipments, any other QIP QIP seminars conferences	M.S.Junagade  Dr.R.R. Karmarkar  Dr.M.Mohan/Mrs.S.A.Katti
8	Internal Quality Assurance Cell, LMC & Governing Body	Dr.M.Mohan
9	AICTE & PCI	Prof.R.D.Pathak, Dr.S.K.Mahajan, Prof A.R.Rote,Prof K.R.Jadhav
10	DTE, PNS, Eligibility, University & Affiliation	Office Superintendent, Prof.B.P.Wagh, Dr.M.A.Tayde
11	Alumni, Placement & Guest Lecture	Dr.T.N.Lokhande
12	General Grievances , Student Parents Complaint Redressal /	Dr. R.S. Bhambar
13	Women Grievances	Mrs.S.A.Katti
14	Library / Magazine	Dr.M.A.Tayde  Mrs S.H.Pawar, Prof R.D.Pathak
15	LIC (PG & Ph D.)	Mrs.D.L Attarde
16	Hostel I/C (Boys) (Girls)	Prof.R.D.Pathak  Prof.A.P.Bhosale
17	Industrial tour	M.S.Junagade
18	Advertising/Publicity	Dr.A.Y.Pawar
19	Extra curricular activities (Gathering ,sports, cultural, NPW etc)	Prof.R.D.Pathak

## 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.R.S.Bhambar
5	Quality Assurance Techniques	Prof.K.B.Erande

## CLASS IN CHARGE &amp; PTA:

Sr. No	Class	Name of the In Charge Staff Members
1	First Year B. Pharm	Mrs.S.H.Pawar
2	Second Year B. Pharm	Mrs.S.A.Katti
3	Third Year B. Pharm	Mrs.D.L.Attarde
4	Fourth Year B. Pharm	Prof.M.S.Junagade

**CAYm1 (2016-17)**

In order to facilities 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 **2016-2017** with immediate effect from **16/06/2016**

The In charges shall:

- Formulate the rules and regulations regarding the function of the committee, set goal, define duties and responsibilities for the respective committee.
- Submit their report of functioning about the same of the office time to time.
- The In charges will continue to function for the **2016-17** and till new committees has been formulate for the next academic year.

## INCHARGE OF THE FOLLOWING COMMITTEES:

M. Pharm In charge : Prof. M. Mohan

B. Pharm In charge : Prof. M.S.Junagade

Sr. No	Name of the Committee	Name of the In Charge Staff Members
1	Academic In Charge , Anti ragging , Discipline, Time table	Dr.J.Y.Nehete  UG- MrsV.R.Jadhav PG- Mrs A.P.Bhosale
2	Examination Committee <ul style="list-style-type: none"><li>• CEO</li><li>• Exam Incharge 2013 Pattern (UG)</li><li>• Exam Incharge 2015 Pattern (UG)</li><li>• Internal &amp; External (PG)</li></ul>	Prof.K.B.Erande  M.S.Junagade Dr.R.A.Patil  Dr.R.R.Karmarkar
3	Store, Purchase & Maintenance	Dr.T.N.Lokhande
4	Admission Committee	



	<ul style="list-style-type: none"> <li>• UG</li> <li>• PG</li> </ul>	Dr.A.Y.Pawar, Prof.K.R.Jadhav A.R.Rote , M.S.Junagade
5	NAAC/ NBA	Dr.S.K.Mahajan, Dr.A.Y.Pawar,Dr.M.Mohan
6	Students Welfare	Prof. B.P.Wagh
7	Academic & Research Coordinator BCUD QIP equipments, any other QIP QIP seminars conferences	M.S.Junagade  Dr.R.R. Karmarkar  Dr.M.Mohan/Mrs.S.A.Katti
8	Internal Quality Assurance Cell, LMC & Governing Body	Dr.M.Mohan
9	AICTE & PCI	Prof.R.D.Pathak, Dr.S.K.Mahajan, Prof A.R.Rote, Prof K.R.Jadhav
10	DTE, PNS, Eligibility, University & Affiliation	Office Superintendent, Prof.B.P.Wagh, Dr.M.A.Tayde
11	Alumni, Placement & Guest Lecture	Dr.T.N.Lokhande
12	General Grievances , Student Parents Complaint Redressal /	Dr. R.S. Bhambar
13	Women Grievances	Mrs.S.A.Katti
14	Library / Magazine	Dr.M.A.Tayde  Mrs S.H.Pawar, Prof R.D.Pathak
15	LIC (PG & Ph D.)	Mrs.D.L Attarde
16	Hostel I/C (Boys) (Girls)	Prof.R.D.Pathak  Prof.A.P.Bhosale
17	Industrial tour	M.S.Junagade
18	Advertising/Publicity	Dr.A.Y.Pawar
19	Extra curricular activities (Gathering ,sports, cultural, NPW etc)	Prof.R.D.Pathak

## HEAD OF THE DEPARTMENTS:

Sr. No	Department	Name of the In Charge Staff Members
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2	Pharmaceutical Chemistry	Dr.S.K.Mahajan
3	Pharmacology	Dr.M.Mohan
4	Pharmacognosy	Dr.R.S.Bhambar
5	Quality Assurance Techniques	Prof.K.B.Erande

## CLASS IN CHARGE &amp; PTA:

Sr. No	Class	Name of the In Charge Staff Members
1	First Year B. Pharm	Mrs.S.H.Pawar
2	Second Year B. Pharm (Fresher's Party)	Mrs.S.A.Katti
3	Third Year B. Pharm (Industrial Training)	Mrs.D.L.Attarde
4	Fourth Year B. Pharm	Prof.M.S.Junagade

**CAY (2017-18)**

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 **2017-18** with immediate effect from **16/07/2017**

The In charges shall:

- Formulate the rules and regulations regarding the function of the committee, set goal, define duties and responsibilities for the respective committee.
- Submit their report of functioning about the same of the office time to time.
- The In charges will continue to function for the **2017-18** and till new committees has been formulate for the next academic year.

## INCHARGE OF THE FOLLOWING COMMITTEES:

B. Pharm and M Pharm In charge : Prof. S.K. Mahajan

Sr. No	Name of the Committee	Name of the In Charge Staff Members
1	Academic In Charge* , Anti ragging , Discipline, Time table	Dr.J.Y.Nehete  UG- MrsV.R.Jadhav,PG- Mrs A.P.Bhosale

2	Examination CommitteeCEO • Exam Incharge 2013 and 2015 Pattern (UG and UG)	Prof.K.B.Erande  Dr.R.R.Karmarkar
3	Store, Purchase & Maintenance	Dr.T.N.Lokhande
4	Admission Committee • UG • PG	Dr.A.Y.Pawar, Prof.K.R.Jadhav  Prof J. Y. Nehete , Dr T N Lokhande
5	NBA	Dr.S.K.Mahajan, Dr.M.Mohan
6	Students Welfare	Prof. B.P.Wagh
7	Academic & Research Coordinator BCUD QIP equipments, any other QIP QIP seminars conferences	Dr T N Lokhande  Dr.R.R. Karmarkar  Dr.M.Mohan/Mrs.S.A.Katti
8	Internal Quality Assurance Cell, CDC & Governing Body	Dr.M.Mohan
9	AICTE & PCI	Prof.R.D.Pathak, Dr.S.K.Mahajan, Prof A.R.Rote,Prof K.R.Jadhav
10	DTE, PNS, Eligibility, University & Affiliation	Office Superintendent, Prof.B.P.Wagh, Dr.M.A.Tayde
11	Alumni, Placement & Guest Lecture	Dr.T.N.Lokhande
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13	Women Grievances	Mrs.S.A.Katti
14	Library Magazine	Dr.M.A.Tayde  Mrs S.H.Pawar, Prof R.D.Pathak
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17	Industrial tour	Mr R. D Pathak
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## HEAD OF THE DEPARTMENTS:

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2	Pharmaceutical Chemistry	Dr.S.K.Mahajan
3	Pharmacology	Dr.M.Mohan
4	Pharmacognosy	Dr.J. Y. Nehete
5	Quality Assurance Techniques	Prof.K.B.Erande

## CLASS IN CHARGE &amp; PTA:

Sr. No	Class	Name of the In Charge Staff Members
1	First Year B. Pharm	Mrs.S.H.Pawar
2	Second Year B. Pharm (Fresher's Party)	Mrs.S.A.Katti
3	Third Year B. Pharm (Industrial Training)	Mrs.D.L.Attarde
4	Fourth Year B. Pharm	Prof.A.R.Rote

**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-2017-18

Sr. No	Name of Staff	Designation
01	Dr. S.R.Tambe	Principal
02	Dr. S.K.Mahajan	Vice Principal
03	Prof. K. B. Erande	C.E.O
04	Prof. M.S.Junagade	Exam I/C ( B.Pharm )
05	Dr. J.Y.Nehete	Academic I/C
06	Dr. R.R.Karmarkar	Exam I/C (M.Pharm)
07	Mrs. S.V.Shewale	Supporting Staff:
08	Mr. Joshi Vedant Sunil	Students (First Year B.Pharm )

09	Chaturvedi Abhilasha A.	Students (Second Year B.Pharm)
10	Salunke Gaurav Bhimraj	Students (Third Year B.Pharm )
11	Sonawane Mugdha B.	Students (Final Year B.Pharm )

### C) Redressal Committee

#### **1.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 9<sup>th</sup> 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.

The committee comprises of:

Presiding Officer	Dr. Mahalaxmi Mohan
Member (Faculty)	Dr.S. A. Katti Dr. D.L.Attarde
Member (Non teaching employees)	Mr.S. Pagar Mrs. M. N.Hiray
Member (External)	Dr. Kavita B.Deore (M D – Psychiatrist)
Student Representatives	Miss Sharmishtha Chavan(P.G.) Miss Priyanka Birhade K(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.

**2. Staff Grievance Cell**

Sr.No.	Name	Designation
1	Dr .V. S .More	Chairman of the Committee (General Secretary's) Nominee
02	Mr.S.R. Tambe	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)

**3.Student Grievance Cell**

Sr.No	Name of 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.

**The composition of Anti-ragging committee 2017-18 is given below:**

Sr.No.	Members	Designation
1.	Dr S. R. Tambe ( Principal)	Chairperson
2.	Dr. S. K. Mahajan (Vice Principal)	Senior Faculty Member
3.	Prof. J.Y.Nehete Dr. Mahalaxmi Mohan	Faculty Member
4.	Mr.S. K. Kadwe (O.S.)	Non-Teaching Staff Representative
5.	Mr. Mahesh Laxman Kulkarni	Police Administration Representative (Asst.Police Inspector)
6.	Mr. Sunil D. Patil	Local Media Representative ( Sakal News Paper)
7.	Mr. D. P. Shewale	NGO Representative (Rotary Club )
8.	Mr. Tejas D. Ghatkar	Final Year Student Representative (Cultural)
9.	Mr. Sagar D. Deore	Final Year Student Representative ( Sports)
10.	Mr. Piyush A. Boraste	Third Year Student Representative ( N.S.S./B.S.D)
11.	Miss. Dhanashri S.Wagh	Final Year Student Representative ( Reservation Cell)
12.	Mr. Sachin Kulkarni	Parent Representative
13.	Mr. Nitesh G. Shirode	Student Representative (F. Y. B. Pharm )



**ANTI RAGGING SQUAD (2017-2018) Boys**

Sr.No.	MEMBERS	DESIGNATION
01	Dr. Mahajan Sunil K.	Chairperson
02	Mr. Pathak Ravindra.D.	Sr.Faculty Member
03	Mr. Choudhari Vijay T.	Non-teaching member

**ANTI RAGGING SQUAD (2017-2018 ) Girls**

Sr.No..	MEMBERS	DESIGNATION
01	Dr. M.Mohan.	Chairperson
02	Mrs. Bhosale Anuja P.	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) Purchase committee****PURCHASE COMMITTEE FOR ACADEMIC YEAR-2018-2019.**

Sr. No.	Name of Members		Designation
1	Dr. R.S.Bhambar	Principal	Chairman
2	Dr.S.K.Mahajan	Vice Principal-HOD - P'Chem.	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'ceutics	Member
6	Prof.K.B.Erande	HOD -QAT	Member
7	Dr.S.A.Katti	Store In charge	Member
8	Dr.Ujwala Ulhe	Librarian	Member
9	Mr.V.T.Chaudhari	Store Keeper	Secretary
10	Mr.S.J. Pagar	Office Superintendent	Member
11	Mr.M.P.Devle	Accountant	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 (2017-2018)**

Total Income					Actual Expenditure (till....):			Total No. of students:
Fee	Govt	Grant(s)	Other sources (specify)	Total	Recurring including Salaries	Non Recurring	Special Projects / Any other	Expenditure per student
<b>For CFY (2017-2018)</b>								
39492007	-	107764	596790	704554	39949030	3358516		134079
<b>For CFYm1 (2016-2017)</b>								
37657362	-	585401	584932	1170333	33108094	1450508		110059
<b>For CFYm2 (2015-2016)</b>								
29230047	-	350000	1425367	1775367	31484692	896748		122194
<b>For CFYm3 (2014-2015)</b>								
37482763	-	411258	268594	679852	34501205	962555		137456

**Budget expenditure:** The details of expenditure into various heads for the last 4 years are given below.

Item	Amount in Lacs							
	Budgeted in CFY (2017-18)	Expenses in CFY (2017-18)	Budgeted in CFY m1 (2016-17)	Expenses in CFY m1 (2016-17)	Budgeted in CFY m2 (2015-16)	Expenses in CFYm2 (2015-16)	Budgeted in CFY m3 (2014-15)	Expenses in CFY m3 (2014-15)
Infrastructural built-up	3500000.00	2463196.00	753584.65	655291.00	307280.00	267200.00	2415000.00	2100000.00
Library	600000.00	584970.00	131341.50	114210.00	183412.35	159489.00	130295.00	113300.00
Laboratory Equipment	350000.00	310350.00	783780.20	681548.00	540567.85	470059.00	324769.20	282408.00
Laboratory consumables	600000.00	548153.00	281429.15	244721.00	311466.00	270840.00	615463.90	535186.00
Teaching and Non-Teaching staff salary	35000000.00	29041441.00	26012059.30	22619182.00	27038537.80	23511772.00	25205374.55	21917717.00
Maintenance and spares	350000.00	326382.00	187236.10	162814.00	515576.05	448327.00	1012941.85	880819.00
R & D(NI)	400000.00	317324.00	200000.00	192863.00	150000.00	138420.00	300000.00	294439.00
Training and Travel	500000.00	475208.00	434732.20	378028.00	641887.45	558163.00	538411.60	468184.00
Miscellaneous expenses	100000.00	30666.00	114425.00	99500.00	0.00	0.00	79266.05	68927.00
<i>Others, specify</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fees and Licence (NI)	750000.00	608000.00	500000.00	466500.00	550000.00	485000.00	400000.00	382112.00

Electricity	600000.00	507110.00	486264.85	422839.00	507529.50	441330.00	512371.00	445540.00
House keeping charges	400000.00	399284.00	158575.80	137892.00	178757.15	155441.00	109788.20	95468.00
Internet charges	27000.00	25875.00	0.00	0.00	0.00	0.00	0.00	0.00
Others	9000000.00	8594912.00	10484221.10	9116714.00	9076759.10	7892834.00	14009999.20	12182608.00
<b>Total</b>	<b>51027000.00</b>	<b>43307547.00</b>	<b>39827649.85</b>	<b>34632739.00</b>	<b>39301773.25</b>	<b>34175455.00</b>	<b>44953680.55</b>	<b>39090157.00</b>

NI= Not included in total as the headings of college audit report does not show these particulars separately. It has been merged with other headings

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](http://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 m<sup>2</sup>) 150 SqM
- ☐ Number of seats in reading space 60
- ☐ Number of users (issue book) per day 60
- ☐ Number of users (reading space) per day : **70**
- ☐ Timings:
  - During working day **9.45 am to 5.30 pm**
  - Weekend, **8.00 am to 1.00 pm**

Number of library staff -	<b>3</b>
Number of library staff with degree in Library- Management Computerization for search, indexing, issue/return records, bar coding used-	<b>2</b>
Library services on Internet/Intranet-	<b>Yes</b>
INDEST or other similar membership-	<b>DELNET, Yes</b>

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

- *Relevance of available learning resources including e-resources*
- *Accessibility to students*

#### Library 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 9.00 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	3026	11088
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 Dec 18	11149
2	Titles of Books Dec 18	3057
3	Circulation of Books Dec 18	10370
4	Reference Books Dec 18	767

5	Pharma D Books	103
6	M Pharma Books (Pharmaceutics-385, Pharmacology - 458, Pharmacognosy-362, Pharma chemistry-603, Quality assurance-78)	1886
7	B Pharma Books	9263
8	Newly Magazine / Journals Subscribed	31
9	E-Journal -DELNET	161
10	Pharmacopoeia (IP, BP, USP,)	93
11	Biographies	20
12	Encyclopedia	18
13	Dictionaries	72
12	PhD Thesis	03
14	Atlas	26
15	Marathi Books	132
16	General Knowledge Books	137
17	Monographs	10
18	E-Books	1500
19	CD's ( B.Pharm – 303 & M.Pharm- 175 )	478
20	Project ( B.Pharm – 507 & M.Pharm- 341)	848
21	Chemical Abstract (Year 1709 to 1985= Rs. 1,75,000/-)	780
	<b>Total Amount Since 1993 to DEC'18</b>	<b>Rs. 43,81,249/-</b>

<b>Year</b>	<b>No of New Titles added</b>	<b>No of New Editions added</b>	<b>No of New Volumes added</b>
<b>CFYm2</b> (2017-18)	33	25	2435
<b>CFYm1</b> (2016-17)	53	35	688
<b>CFY</b> (2015-16)	57	32	641

<b>Sr no</b>	<b>Library Journals/ Back Volumes</b>
1	Advances In Pharmacology And Toxicology(5045) ISSN No.- 0973 - 2381
2	Asian Journal of Pharmaceutics
3	CSIR News
4	Current Science (For School & Colleges)
5	Indian Journal of Biotechnology
6	Indian Journal of Chemical Technology
7	Indian Journal Of Chemistry Part: A
8	Indian Journal of Chemistry Part: B
9	Indian Journal of Experimental Biology
10	Indian Journal of Natural Products & Resources (Formerly Natural Product Radiance)
11	Indian Journal of Pharmaceutical Sciences
12	Indian Journal of Pharmacology
13	Indian Journal of Physiology & Pharmacology
14	Indian Journal of Traditional Knowledge
15	Indian Science Abstracts
16	International Journal of Pharmaceutical Investigation
17	Journal of Advanced Pharmaceutical Technology & Research
18	Journal of AYUSH:-Ayurveda, Yoga,Unani ,Siddha and Homeopathy
19	Journal of Biosciences
20	Journal of Chemical Science
21	Journal of Genetics
22	Journal of Intellectual Property Rights
23	Journal of Pharmacology and Pharmacotherapeutics
24	Journal Of Scientific & Industrial Research
25	Journal of Scientific Temper

26	Research Journal of Pharmaceutical dosage form
27	Medicinal & Aromatic Plants Abstracts
28	Pharmacognosy Research
29	Phytopharm India
30	Resonance – Journal of Science Education
31	Journal of Advanced Research in Pharmaceutical Sciences and Pharmacology interventions

Chemical Abstract (1709-1985)=780 Vol. (1,75,000)

Total Back Volumes = 208

Indian Pharmacopoeia- (2014)

### Digital Library

☐ Availability of digital library contents: If available, then mention

- Number of courses: B. Pharmacy, M. Pharmacy
- Number of e- books:1500
- Availability of an exclusive server: Yes
- Availability over Intranet/Internet: Yes
- Availability of exclusive space/room: Yes
- Number of users per day: 20

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        | <div style="border: 1px solid black; width: 100px; height: 15px; display: inline-block;"></div> |
| <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) |   |

- ☐ Wi-Fi availability : **Yes**
- ☐ Institute own email facility to faculty/  
students : **Yes**
- ☐ Internet access in labs, class rooms,  
library and other offices : **Yes**
- ☐ Security arrangements : **Yes**

Sl. No.	Assessment Criteria	Marks	
		Prescribed	Institute
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	10
9.1.2	Decentralization in working and grievance redressal mechanism	15	15
9.1.3	Delegation of financial powers	15	15
9.1.4	Transparency and availability of correct/unambiguous in public domain	10	10
9.2	Budget Allocation, Utilization, and Public Accounting at Institute level (30)		
9.2.1	Adequacy of budget allocation	10	10
9.2.2	Utilization of allocated funds	15	15
9.2.3	Availability of the audited statements on the institute's website	05	05
9.3	Library and Internet (20)		
9.3.1	Quality of learning resources(hard/soft)	10	10
9.3.2	Internet	10	10
	<b>Total</b>	<b>100</b>	<b>100</b>



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 (CPHN017660)

**Declaration**

I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines in force as on date and the institute shall fully abide by them.

It is submitted that information provided in this Self Assessment Report is factually correct. I understand and agree that an appropriate disciplinary action against the Institute will be initiated by the NBA in case any false statement/information is observed during pre-visit, visit, post-visit and subsequent to grant of accreditation.

**Date:** 28-12-2018

**Place:** Nashik

**Signature, Name and Designation  
of the Head of the Institution with seal**



**(Dr. R. S. Bhambar)**  
**PRINCIPAL**

MGV's Pharmacy College  
Panchavati, Nashik-422 003

Mumbai Agra Road, Panchavati, Nashik - 422 003. **Tel.:** (0253) 2515620, 2511931 **Fax :** (0253) 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.