

SELF ASSESSMENT REPORT (SAR) 2018-19

**FOR FIRST TIME ACCREDITATION OF
UNDERGRADUATE PHARMACY PROGRAM
(TIER-II)**

Submitted to



**NATIONAL BOARD OF ACCREDITATION
NEW DELHI**

Submitted by



VIDYABHARATI COLLEGE OF PHARMACY,
C.K. Naidu Road, Camp, Amravati – 444 602 (Maharashtra) India

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INSTITUTION INFORMATION

1. **Name and Address of the Institution** : **Vidyabharati College of Pharmacy.**
C.K. Naidu Road , camp AMRAVATI , Maharashtra
2. **Name and Address of the Affiliating University** : Sant Gadge Baba Amravati University
Mardi Road Camp, Amravati – 444 602
Maharashtra State, India
3. **Year of Establishment of the Institution** : **1993**
4. **Type of the Institution:**
- | | | |
|----------------------------|---|-------------------------------------|
| University | : | <input type="checkbox"/> |
| Deemed University | : | <input type="checkbox"/> |
| Autonomous | : | <input type="checkbox"/> |
| Affiliated | : | <input checked="" type="checkbox"/> |
| Any Other (Please specify) | : | <input type="checkbox"/> |
5. **Ownership Status:**
- | | | |
|----------------------------|---|-------------------------------------|
| Central Government | : | <input type="checkbox"/> |
| State Government | : | <input type="checkbox"/> |
| Grant-in-Aid | : | <input type="checkbox"/> |
| Self financing | : | <input checked="" type="checkbox"/> |
| Trust | : | <input type="checkbox"/> |
| Society | : | <input checked="" type="checkbox"/> |
| Section 25 Company | : | <input type="checkbox"/> |
| Any Other (Please specify) | : | <input type="checkbox"/> |

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

Sr. No.	Name of the Institution (s)	Year of Establishment	Programs of Study	Location
1	Vidyabharati Mahavidyalaya, Camp, Amravati.	1972 - 73	Science, Commerce & Art	Amravati
2	Vidyabharati Mahavidyalaya (Jr. College), Non Grant Camp, Amravati.	1972 - 73	Science, Commerce	Amravati
3	Vidyabharati Mahavidyalaya (MCVC), Camp, Amravati.	1988 - 89	Motor Mechanic	Amravati
4	V.B. Institute of Research & P..G. Studies in Science & Management (MBA/MCA & OTHERS), Camp, Dist. Amravati.	1996-97, 2006-07	Management & Comp. Sci.	Amravati
5	Vidyabharati College of Pharmacy (D. Pharm)	1982- 83	Pharmacy	Amravati
6	Vidyabharati College of Pharmacy (B.Pharm)	1993- 94	Pharmacy	Amravati
7	Vidyabharati College of Pharmacy (M. Pharm, Pharmaceutics)	2009 - 10	Pharmacy	Amravati
8	Vidyabharati College of Pharmacy (M. Pharm, Pharmacology)	2010 - 11	Pharmacy	Amravati
9	Vidyabharati College of Pharmacy (M. Pharm, Quality Assurance)	2011 - 12	Pharmacy	Amravati
10	Vidyabharati Industrial Training Center , Camp, Amravati	1999 -2000	Eight streams	Amravati
11	Smt. Pratibhatai Patil Mahila Shikshahn Shashtra Mahavidyalaya, Camp, Amravati.	2008 – 09	B.Ed.	Amravati
12	Pratibha Mahila Hostel, Camp, Amravati	2000 – 01	Hostel	Amravati
13	Vidyabharati Backward Hostel, Patrakar Colony, Amravati	1973 -74	Hostel	Amravati
14	Vidyabharati Madhamik Vidyalaya Patrakar Colony, Amravati	1971-72	School	Amravati
15	Vidyabharati Pre Primary English School Patrakar Colony ,Amravati	2011-12		Amravati

16	S.S.S.K.R. Innani Mahavidyalaya, Karanja Lad , Dist. Washim	1983-84	Science, Commerce & Art	Karanja Lad
17	Vidyabharati Mahavidyalaya (Jr. College), Non Grant Karanja Lad , Dist. Washim	1984-85		
18	Vidyabharati Mahavidyalaya (MCVC) Karanja Lad , Dist. Washim	1988-89	Motor Mechanic	Karanja Lad
19	Jyoti Mahila Vastigruha, Karanja Lad , Dist. Washim	2000-01		Karanja Lad
20	V.B.English Primary School ,Karanja Lad , Dist. Washim	2005 - 06	School	Karanja Lad
21	Vidyabharati Madhamik Vidyalaya, Shaha, Karanja Lad , Dist. Washim	1987-88	Commerce & Art	Karanja Lad
22	Sant Muktabai Arts & Commerce College, Muktainagar, Dist. Jalgoan	1983-84	Commerce & Art	Muktainagar
24	Sant Muktabai Jr. College, Muktainagar, Dist. Jalgoan	1990 – 91	Science	Muktainagar
25	Sant Muktabai Madhyamik Vidyalaya, Muktainagar, Dist. Jalgoan	2000-01	School	Muktainagar
26	Vidyabharati High School, Shelubazar, Tq. Murtizapur, Dist. Akola	1971-72	School	Shelubazar
27	Pre Primary English School, Muktainagar, Dist. Jalgoan	2017-18	School	Muktainagar
28	Vidyabharati Jr. College, Shelubazar, Tq. Murtizapur, Dist. Akola	1990-91	Science & Commerce	Shelubazar
29	Matoshri Nathibai Vidyalaya, Sungaon, Tq.Jalgaon (Jamod),Dist. Buldhana.	1972-73	School	Sungaon
30	Sant Gadge Baba Vidyalaya, Sayat, Tq. Bhatkuli, Dist. Amravati	1970-71	School	Sayat
31	Shri. Shavchandji Laddha Madyamik Vidyalaya, Shivangaon, Tq. Tiwsa, Dist.Amravati.	1970-71	School	Shivangaon
32	Shri. Shavchandji Laddha Jr.College, Shivangaon, Tq. Tiwsa, Dist.Amravati.	1992-93	Jr.College	Shivangaon

33	Shri. Shavchandji Laddha Jr.College (HSVC), Shivangaon, Tq. Tiwsa, Dist.Amravati.	1993-94	HSVC	Shivangaon
34	JRS English School, Chandrapur(Kh) Tal. Daryapur	2017-18	School	Chandrapur(Kh)

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

S.No.	Program Name	Year of Start	Intake	Increase in intake, if any	Year of increase	AICTE Approval	Accreditation Status*
1.	B.Pharm	1993	40	20	748-89-122(P) II / 193 4/4/1996	27/9/90 OSD / AICE / GH 209 13/08/1993	Applying first time

- Write applicable one :
- Applying first time
- Granted Provisional Accreditations For Two/ Three Years For The Period (Specify Period)
- Granted Accreditations For 5/6 Years For The Period (Specify Period)
- Not Accredited (Specify visit dates , year)
- Withdrawn (Specify visit dates , year)
- Not eligible for accreditation
- Eligible but not applied

Note : Add rows as needed.

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

S.No.	Program Name
1.	Bachelor of Pharmacy (B.Pharm)

8. Total number of employees :

A. Regular *Faculty and Staff

Items		CAY 2018-19		CAYm1 2017-18		CAYm2 2016-17	
		Min	Max	Min	Max	Min	Max
Faculty in Pharmacy	M	14		15		14	
	F	4		3		3	
Faculty in Science and Humanities	M	3		2		2	
	F	1		1		1	
Non-teaching staff	M	22		22		22	
	F	-		-		-	

• Means –

Note – Minimum 75% should be Regular / Full Time faculty and the remaining shall be Contractual Faculty / Adjunct Faculty / Resource Source from industry as per AICTE norms and standards.

The Contractual Faculty will be considered for assessment only if a faculty is drawing a salary as prescribed by the concerned State Government for the Contractual Faculty in the respective cadre and who have taught over consecutive 4 members.

CAY - Current Academic Year

CAYm1 - Current Academic Year minus 1 = Current Assessment Year

CAYm2 - Current Academic Year minus 2 = Current Assessment Year minus 1

Contractual Staff (Not covered in Table A) :

Items		CAY 2018-19		CAYm1 2017-18		CAYm2 2016-17	
		Min	Max	Min	Max	Min	Max
Faculty in Pharmacy	M	01		02		02	
	F	01		00		00	
Faculty in Science and Humanities	M	03		02		02	
	F	01		01		01	
Non-teaching staff	M						
	F	03		03		03	

9. Total number of Pharmacy students :

Student Numbers	CAY 2018-19	CAYm1 2017-18	CAYm2 2016-17
Total no. of boys	152	152	138
Total no. of girls	129	139	110
Total no. of students	281	291	248

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

10. Vision of the Institution : *To be Perceived As A Prevalent Institute For Promoting Transcendence In Pharmacy Discipline To Coddle The Urge For Profession And Humanity*

11. Mission of the Institution :

M1	<i>: To achieve transcendence by creating learning environment and providing facilities for creative thinking and personality development</i>
M2	<i>: Impart conducive environment to escalate problem solving perspectives, forethought ability and effective communication skill in budding pharmacists.</i>
M3	<i>: Promote ethical and professional values to prepare sustainable and competent workforce having professional identity with sense of social responsibility</i>
M4	<i>: Establish industry institute interactions to escalate industrial perspective for improving employability, entrepreneurship skills, industrial competency and to prosper lifelong learning.</i>

These highlights have become the basis to vitalize the educational program and process, at VBCP.

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

- i. Name : Dr.K.K.Tapar
 Designation : Principal
 Mobile No. : 9922410172
 Email id : kk_tapar@rediffmail.com

- ii. NBA coordinator, if designated :
 Name : Dr.S.D.Pande
 Designation : Professor
 Mobile No. : 9823172064
 Email id : shrikantdpande@rediffmail.com

Name of Programme : Bachelor of Pharmacy

Criteria No.	Criteria	Mark/ Weightage
Program Level Criteria		
1	Vision, Mission, Program Educational Objectives	50
2	Program Curriculum and Teaching – Learning Process	150
3	Course Outcomes and Program Outcomes	100
4	Student's Performance	180
5	Faculty Information and Contributions	175
6	Facilities and Technical Support	120
7	Continuous Improvement	75
Institute Level Criteria		
8	Student Support Systems	50
9	Goverance, Institutional Support and Financial Resources	100
	Total	1000

Note : In the document wherever word “Semester” has been used, Same Shall be read as ‘Semester or Annual’. The Institutions may use appropriately whichever is applicable to them.

CRITERION

1

VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES

CRITERION 1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	50
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1. VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES (50)

1.1 State the vision and Mission (5)

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

Vision:

TO BE PERCEIVED AS A PREVALENT INSTITUTE FOR PROMOTING
TRANSCENDENCE IN PHARMACY DISCIPLINE TO CODDLE THE URGE
FOR PROFESSION AND HUMANITY

Mission:

M1	:	To achieve transcendence by creating learning environment and providing facilities for creative thinking and personality development.
M2	:	Impart conducive environment to escalate problem solving perspectives, forethought ability and effective communication skill in budding pharmacists.
M3	:	Promote ethical and professional values to prepare sustainable and competent workforce having professional identity with sense of social responsibility.
M4	:	Establish industry institute interactions to escalate industrial perspective for improving employability, entrepreneurship skills, industrial competency and to prosper lifelong learning.

These highlights have become the basis to vitalize the educational program and process, at VBCP.

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

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

PEO 1	: To provide pharmaceutical education and professional skills to tackle complex pharmaceutical problems using emerging technologies.
PEO 2	: To inculcate leadership skills, planning abilities and effective oral written communication with multi-disciplinary approach.
PEO 3	: To encourage ethical principles and professional values to develop pharmacists with professional identity for making decisions in broader context to profession and society.
PEO 4	: To establish industry-institute interactions through collaborations, consultancy activities, training programs to make students competent and sustainable for industrial environment.
PEO 5	: To encourage students for lifelong learning skills, entrepreneurship abilities leading to successful professional career

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, support staff, students etc. and external stakeholders may include employers, industry, alumni, funding agencies, etc.)

Every effort is made to ensure that the Vision and Mission of the college is communicated effectively to all stakeholders namely students, faculty, parents, industry, regulating authorities, alumni, management, etc.

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

- Print Media : College brochure

- Electronic Media: College website
- Display Boards: Flexi-boards, Permanent boards
- Direct Communication: An orientation program to fresher's/parents induction programs to staff members.

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

1. They are informed to students of each year and explained their importance and the objectives to be achieved.
2. They are circulated to the faculty and sought the opinion about the commission and omission of the objectives.
3. They are circulated to the non-teaching staff and sought the opinion about the commission and omission of the objectives.
4. They are circulated and informed to parents during orientation program and when they visit the college.
5. Circulated to the fellow pharmacy professionals and sought the opinion about the commission and omission of the objectives.

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 college has established the Vision and Mission statements through consultative process involving the stake holders; internal stake holders (management, Governing body members, faculty, support staff, students, etc.) and external stake holders (employees, industry, alumni) considering the scope and growth of the college and the future societal needs.

The institute established the vision and mission through a consultative process as shown in Figure 1.1

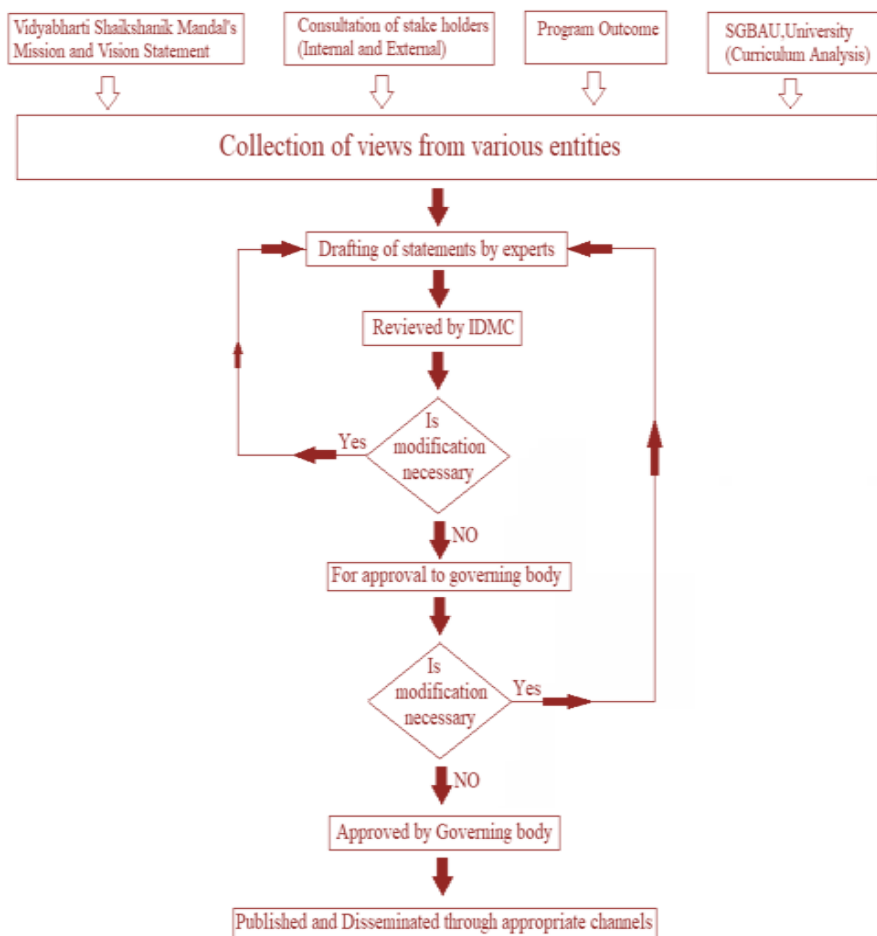


Fig 1.1: Flowchart - Process for defining the Vision & Mission

In establishing the vision and mission of the department, the following steps were followed.

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

Step 2 : Collection of views from internal and external stake holders

Step 3 : Based on available information, views from stake holders, contents from program outcome and university curriculum analysis, brainstorming sessions are carried out by the experts and draft copy is prepared

Step 4 : The draft copy is reviewed by Institutional Development and Monitoring committee (IDMC)

Step 5 : If approved, further communicated to Governing body for final approval. In case of rejection or changes suggested further again placed in front of expert committee for changes to be made, if any.

Step 6 : Approval on final draft copy is taken from Governing body,

Step 7 : After approval, dissemination is carried out through appropriate channels.

The inputs from stake holders, faculty, alumni, industry, and professional bodies are considered to formulate our course PEOs. Formatted survey data is utilized to gather comprehensive information for scrutiny and analysis. Formal and informal visits by the alumni gives scope for direct personal interaction, discussion and also give an opportunity to collect and record information required for improving the program based on their professional experiences. A similar format can be used in other cases.

The PEOs are established through the following steps.

Step 1 : Vision and Mission of the college, University (SGBAU) curriculum and Program outcomes are taken as the basis to interact with various stakeholders for formulating the PEOs.

Step 2 : All the views as mentioned above are collected, scrutinized and summarized to convey the key constituents to drafting committee.

Step 3 : In the light of current status of the institute, teaching-learning environment, and based on the review of feedback, PEOs are formulated by the appointed expertise members

Step 4 : The proposed PEOs are reviewed by IDMC and recommendations, if any, are refereed back to drafting committee. These are further sent to the Governing Body.

Step 5 : If approved, further communicated to Governing body for final approval. In case of rejection or changes suggested further again placed in front of expert committee for changes to be made, if any.

Step 6 : Approval on final draft copy is taken from Governing body

Step 7 : After approval dissemination is carried out through appropriate channels.

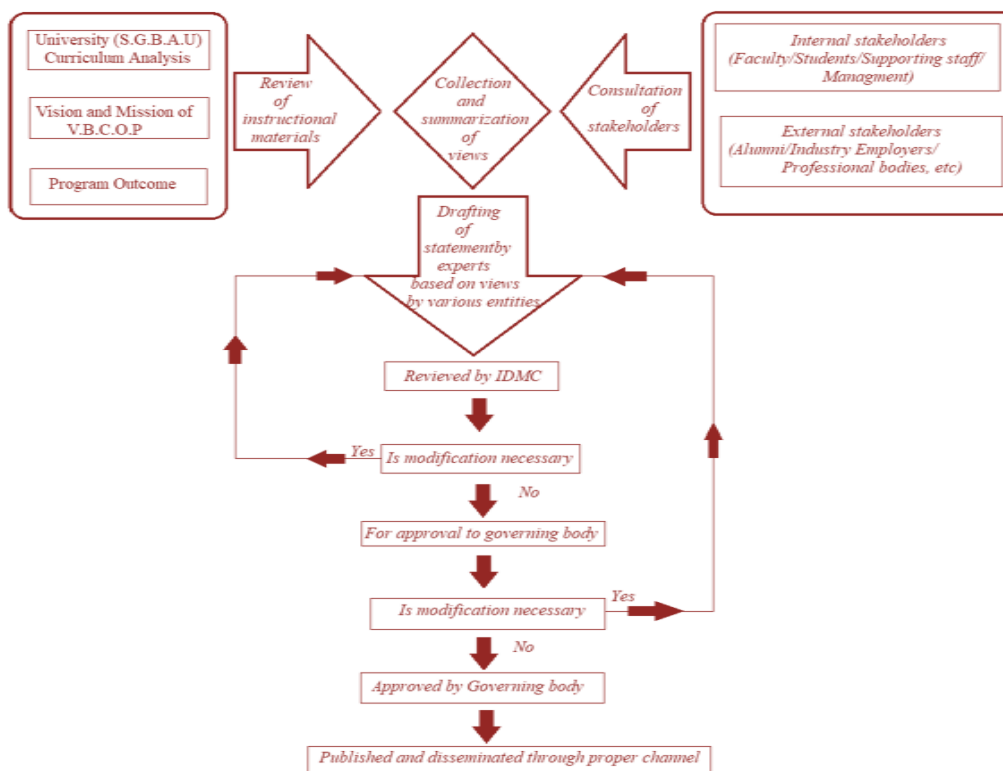


Fig 1.2: Flowchart - Process for defining the Program Educational Objectives

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

The program educational objectives are consistent with the VBCP mission statement, as is evident from the statements below.

Sr. no.	PEO statement	Mission of the Institute			
		M1	M2	M3	M4
1	PEO 1	2	-	2	-
2	PEO 2	2	3	2	-
3	PEO 3	-	2	3	-
4	PEO 4	2	-	2	3
5	PEO 5	-	-	-	3

CRITERION	Program Curriculum and Teaching-Learning Processes	150
2		

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.

Vidyabharati College of Pharmacy (VBCP) is affiliated to Sant Gadgebaba Amravati University (SGBAU), Amravati, since its inception (1993). VBCP follows the syllabus prescribed by the Sant Gadgebaba Amravati University. As per the SGBAU regulations, four year B. Pharmacy course is offered in eight Semester system.

The curriculum is framed by the duly constituted board of studies committee in the subject Pharmaceutical Sciences by SGBAU in the faculty of science and technology.

The course is framed under Credit Based Semester Grade System (CBSGS) and Choice Based Credit System (CBCS) by the SGBAU.

A particular syllabus is framed for prescribed the number of lectures and practicals in each course. Lectures are carried out on the basis of use of ICT tools. According to tentative lesson plan the execution of syllabus gets completed. The syllabus is completed using ICT tools and traditional chalk board system.

According to the curriculum

- The internal exam consist of internal assessment comprising of periodic sessional examinations and continuous evaluation
-

- The external exam consist of end semester examination for both theory and practical subjects.

According to the CBSGS system the percentage of marks for external and internal examination is 69% and 31% respectively for each semester. As per the CBCS system the percentage of marks for external and internal examination is 75% and 25% respectively.

Course attainments and programme attainments are calculated after completion of all the courses of each semester.

The contents of each theory subject are well defined and the experiments are specified for each laboratory component. The university included an important component such as an assignment, projects and seminars etc. Innovative teaching and learning techniques are followed in both theory and practical. It includes chart preparation, giving assignments, projects and seminar. Weaker students are given additional support by taking remedial classes and tests papers are solved from them.

Each faculty determined the level of their courses studying the elements of POs (Programme outcome).

The COs and POs mapping were performed, the weak areas were pointed out and probable gaps were identified. COs are revived by faculty members faculty members to determine which component of POs was either not mapped or meet to level 1 only. Faculty focus on either level 1 of introductory nature was adequate or the institutes need to develop more beyond syllabus topic to improve the level.

For developing content beyond the syllabus the feedback from alumina and industry (Training and Placement Department) were discuss thoroughly. Demands of pharmaceutical industries were assessed on internet searching and analyzed the same.

Meeting with Institute Development Monitoring Committee (IDMC)/ Internal Quality Assurance Cell (IQAC) and subject expert had been conducted to review the syllabus provided by university to detect the gap.

Finally the content beyond the syllabus which is to be taught to make corrective action for bridging the gaps were thoroughly discussed and finalized.

Implementation process

Identified content beyond the syllabus (theory and lab work), if any would be conducted in classroom and laboratory by the subject teachers and guest lecture are also arranged to bridge the gap to meet content beyond the syllabus.

Effectiveness of this process would be analysed through feedback from the students and their performance in examination

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)

Though the SGBAU university B.Pharmacy syllabus is well designed and achieved the programme outcomes (POs), a few gaps are mentioned below as per the format given

CAY: 2018-19: Contents beyond the syllabus

Sr. no.	Subject name year/sem	Gap	Action taken	D/M/Y	Resource person with designation	No. of students present	Relevance to POs
1	Pharmaceutics IV	Regulatory Affairs	Seminar was conducted	04/02/19	Mrs. Preeti Magar, Scientist R&D Sun Pharma, Baroda.	45	7,8,9
2	Pharmaceutics III to VI	Symposium On Current Trends In Pharma Production	Symposium was conducted	23/02/19	Dr. Nidhi Sapkal, Scientist R&D Zim Lab. Nagpur. Dr. Mukund Tawar, Principal PRPPCOP Amravati.	250	5,6,7

CRITERION

2

PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES

3	Pharm. Organic chemistry II	Adulterations in Some Edible Oils and Fats and Their Detection Methods	Guest lecture	8/10/18	Mr. V. L. Salode, P.R.Patil Institute of Pharmacy, Talegaon, Dist: Wardha.	46	9
4	Pharm. Organic Chemistry I	To Study General Instructions For Working In Organic Chemistry Laboratory	Guest lecture	6/01/18	Dr. B. S. Bawiskar Govt. College of Pharmacy, Amravati.	52	3,9
5	Pharmacognosy V	Study Of Herbal Cosmetic Formulations	Guest lecture	27/10/18	Dr. Lalit K. Vyas, Vidyabharati Mahavidhyalay, Amravati.	65	9,11
6	Pharmacology I	Theories Involved In Drug Receptor Interaction	Seminar was conducted	14/10/18	Mr. S. P. Padole, Asst. Professor Vidyabharati Mahavidhyalay, Amravati.	45	6,8
7	Pharmacology II	Drug Interaction And Its Management	Guest lecture	14/10/18	Mr. S. P. Padole, Asst. Professor Vidyabharati Mahavidhyalay, Amravati.	50	7,8, 9

CAY: 2017-18: Contents beyond the Syllabus

Sr. no	Subject name year/sem	Gap	Action taken	D/M/Y	Resource person with designation	No. of students present	Relevance to POs
1	Pharmaceutics V	Current Trends in Pharma Tablet Coating	Seminar was conducted	14/08/17	Dr. L.N.Barde Principle, Dr. Rajendra Gode Institute of Pharmacy, Amravati.	45	4,7
2	Hospital pharmacy	Current issues in hospital & clinical pharmacy	Guest lecture arranged	25/9/17	Shri. C.A. Dange, Asst. Drug Commissioner FDA, Amravati.	41	7,9
3	Biochemistry	Process of dialysis	Guest Lecture	5/2/18	Mr. V.L. Salode, P.R.Patil Institute of Pharmacy, Talegaon, Dist: Wardha.	47	10
4	Pharmaceutical analysis IV	Application of statistical analysis to experimental data	Guest lecture	05/03/18	Dr. R.L. Bakal, Principal, College of Pharmacy, Sakegaon, Bhusawal.	30	6,9,11
5	Pharmacognosy III	Drug- Drug Interaction In Herbal Formulation	Guest lecture	14/10/17	Dr. S. L. Deore, Asso. Prof. Govt. College of Pharmacy, Amravati.	59	9,11
6	Pharmacology I	Receptor Drug Interaction Through Computational Model	Seminar was conducted	22-1-18	Mr. Sagar Aande, Ass. Prof. RGIOP, Amravati	50	1,7,8,9
7	Pharmacology I	Preventive Treatment Against Organophosphorous Poisoning.	Seminar was conducted	14-10-17	Prof. H.N. Gupta, Asst. Prof, Govt. College of Pharmacy, Amravati.	46	1,7,8,9

CAY – 2016-17: Contents beyond the Syllabus

Sr. no.	Subject name year/sem	Gap	Action taken	D/M/Y	Resource person with designation	No. of students present	Relevance to Pos
1	Pharmaceutics III TO VI	Herbal Drug Awareness Production And Demonstration Of Herbal Formulation Production	One Day National Conference In Collaboration with IPA, Amravati Local Branch	08/03/2017	Dr. Jafar, Retired Professor Jamia Hamdard University, New Delhi.	200	5,6
2	Biopharmaceutics	Bioavailability Assessment: A Tool In Clinical Research	Guest lecture arranged	17/3/16	Mr. R.V. Bhattad Cipla, Ltd. Ahmadabad.	33	7,8,9
3	Medicinal chemistry II	Knowledge of Newer Prodrugs	Guest lecture	12/2/17	Mr. Rajesh Kale Production Ic. Wockhard Aurangabad	43	1,9,11
4	Medicinal Chemistry– IV	Combinatorial Chemistry	Guest lecture	17/03/16	Prof. Pramod Burukule, College of Pharmacy, Malkapur.	44	5,8
5	Pharmacognosy II	Visit To Medicinal Garden	visit	23/1/17	Dr. M. U. Ghurde Asst. Prof. VBMV, Amravati.	57	6,9,11
6	Pharmacology III	Gene Therapy And Targeting	Seminar was conducted	25-1-16	Prof. H. N. Gupta Asst. Prof, Govt. College of Pharmacy, Amravati.	46	1,7,8,9

2.1.3. Adherence to Academic Calendar**(10)***(Demonstrate notified academic calendar & its adherence)*

In the beginning of every academic year, an academic calendar is prepared with an objective to plan the academic activities to be undertaken in the coming year based on the SGBAU circular. It is finalized by the principal, and college IDMC/College development committee and other committee members. The calendar specifies prescribed minimum numbers of lectures and practical to be conducted per semester depending upon weightage in the curriculum. It also specifies dates for conducting internal theory and practical examination. The planned dates are subject to change as per university circular from time to time. The teaching plans are prepared and displayed on notice board in the beginning of the session. Other activities including the cultural events, co-curricular events, guest lectures, and sports activities are also planned in advance. All the faculty members follow the institutional academic calendar. The timetables are prepared by considering the academic calendar and the scheme of lectures and practicals given in the university syllabus with specified classrooms. The timetable includes theory classes, tutorial classes, laboratory practical etc.

Teaching plan has been maintained according to the institute's academic calendar. Total working days are calculated excluding holidays and Sundays and then the lectures are planned accordingly which could cover whole syllabus. Adherence to institutional academic calendar, timetable and course file of teacher is so design that all dates match with the academic calendar of the university that is published by SGBAU every year.

2.2 Teaching and Learning Process**(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 VBCP, the teaching and learning process begins with an orientation program. The essential topics of this program orient the students towards professional education and promote the capabilities to learn the subjects

- Teaching is based on ICT tools and traditional chalk and board system is adopted.
- Teachers prepares the course file which include lesson plan, academic diary, notes on delivery of contents, list of reference book, question banks etc, preplanning of delivery of syllabus is carried out by subject teachers.
- With the help of power point presentation the contents from the syllabus are explained to the students. The students ask the questions on the topics which is not well understood by them and the concern subject teacher satisfies their queries which facilitates better learning and understanding of the topic.
- Topics are explained to the students with e-learning in form of working pictures from internate or YouTube to make them understand more clearly about the concepts and mechanisms.
- Flipped classrooms the teachers feed the material on a specific topic online on whatsapp and facebook study groups for students, so students are more aquented with topics and they come with preparations in the classroom for better interaction with faculty.
- Focus is given on developing abilities/ skills and lifelong learning. These abilities are developed by giving specific assignments.
- Our campus is connected with WIFI system which provides open asses to the students to collect the information which can help them for generating self learning environment.
- Some pedagogical initiatives are taken by the department like seminars, lab experiments beyond the syllabus visual charts, videos, e-learning etc.
- All labs are well equipped with sophisticated instruments with standard operating procedure. Lab manual was provided by individual subject teacher. Students prepare

laboratory record which includes the principle, procedure, data and analysis along with result and conclusion. These records are checked by subject teachers.

- Weak and bright students identification was done through result analysis of first sessional test of each semester

Weak students – teachers attempt to enhance the performance of weak students as follows

- Counseling and moral support by mentor menti system
- Remedial class are arranged for such students
- Encouraging for regular attendance
- Extra assignments are given.

Bright students – faculty members encourage the bright students for

- For participations in seminars/ conferences
- Attending workshop
- Poster and paper presentation
- Preparing competitive examination like GPAT etc.

Effectiveness of this process is analyzed by feedback from students. Feedback is analyzed by the principal and it is discussed during faculty meeting and corrective measures are decided and implemented.

For the achievement of POs initiatives were taken to deliver the content beyond the syllabus such as industrial visit, guest lecturers, membership of professional societies, conference and seminars participated by students.

Both traditional and innovative techniques are used to ensure attainment of course objective and program outcome.

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 SGBAU regulations, the components allotted to theory are 25% and practicals 37.5% for internal assessment. The remaining 75% for theory and 62.5% for practicals is included in university assessment. The university examinations for theory subjects are conducted at a center other than this college. Though the percentage of internal assessment is low, it is covering a large number of components of assessment. The internal examinations and the prescribed marks are to be complied with the regulation. Therefore, the scope for assessment is narrow. According to the Credit Based Semester Grade system the percentage of marks for end semester and Internal examination is 75% and 25% respectively, and is same in the Choice Based Credit System. University semester examination papers are set by the panel of examiners appointed by SGBAU University.

The Sessional examination question papers were designed with Blooms taxonomy. The questions are setup as per course objective of each subject. Two Sessional exams are conducted for each theory and practical course as per the schedule prescribed under CBCS and one Sessional examination is conducted as per CBSGS course pattern given by SGBAU. Best of one from the two sessionals are considered. The pattern of question paper is short essay type and long essay type. Paper pattern is set according to the level of competitive examination and are problem based. GPAT level questions and other competitive exam level questions are set to improve the thinking ability of students. Setting of question papers is based on SGBAU pattern.

Assignments are given to each student by the all subject teacher. Different topics are distributed to each group of student. The topics are based on analytical ability, some are problem based to improve the thinking ability of students and they are evaluated. The marks of assignments are considered in credit based system. The assignments are prepared that it covers the relevant COs.

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)

Identification of projects and allocation methodology to faculty members

Every B. Pharmacy VI semester student undertakes project as per the guidelines given by SGBAU. Teacher/ Guide is assigned to a group of four to five students. The students thereafter in consultation with Teacher/ Guide select the topic. The students then perform literature survey, formulate the problem individually and then proceed further. Project may be theoretical or experimental. The teachers and the students selects topic that are relevant to the learning of pharmacy and the teacher ensures that while selecting the topic, contribution to respective POs is assured. A project normally covers a wide range of POs.

Process of monitoring and evaluation

Every week the student report to the concerned faculty and provide the details about the progress of project. Students write their projects after the conducting of field work/ library work and the project report is prepared. Progress is continuously monitored by guide. Project evaluation committee evaluates the presentation on the project.

Assessment of project is done considering factors such as (i) their quality (ii) the state of the art technology used in execution (iii) the relevance to society, industry and academics (iv) use and development of theoretical and experimental methods and the coverage of broader areas of pharmacy. Faculty uses Rubrics for the assessment of projects. Final evaluation of project report is conducted in formal setup by the project evaluation committee.

The quality projects are evaluated by the project assessment committee.

Year	No. of Projects
2017-18	5
2016-17	6
2015-16	4

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)

College always strives to impart education of standards. In addition to the regular compliance to the VBCP University approved syllabus, several initiatives have been taken to foster the growth of the students. As part of B.Pharmacy program, SGBAU also seeks the guidance of Industry/Hospital to deliver Guest Lectures to our students. As the B. Pharmacy course is largely industry oriented and industry based guest lectures are also planned.

The college has taken steps to conduct industrial visits, which includes the research laboratories (animal house, maintenance and handling) medicinal and botanical gardens, pharmaceutical industries (Allopathic and Ayurvedic products). The guest lectures are arranged which supported them for improving the knowledge base and motivate for higher studies. For hospital visit the MOU was prepared with respective hospitals.

Industrial Visits for three years CAY: CAY: 2018-19

Title	Professional societies	date	Number of students presents	Achievements /benefits
Industrial visit	Polo Pharmaceuticals, Baddhi (HP).	04/01/2019	61	Gaining knowledge about industrial process
Botanical (Herbal Medicinal) Garden Visit	Gopalpur Herbal Medicinal Garden, Examination of Herbal Medicine which is found only in Himachal Pradesh.	06/01/2019	61	Value addition and real time appreciation
Industrial visit	PRIEST Pharmaceuticals, MIDC, Amravati	07/10/2018	40	Value addition
Hospital visit	Dayasagar hospital, Amravati	02/10/2018	40	Value addition and real time appreciation
Hospital visit	Matoshri Hospital, Walgaon, Amravati	30/09/2018	40	Value addition and real time appreciation

CAY m1: 2017-18

Title	Professional societies	Date	Number of students presents	Achievements/ Benefits
Herbal/Medicinal Plants cultivation area Visit	Bhavmishra Vatika, Mahatma Gandhi Ayurvedic College & Hospital, Sawangi Meghe (Wardha) Maharashtra.	24/02/2018	35	Value addition, real time appreciation
Formulation Unit	“Dattatrya” Ayurvedic Formulation Unit Mahatma Gandhi Ayurvedic College & Hospital, Swangi Meghe (Wardha) Maharashtra.	24/02/2018	35	Value addition, real time appreciation
Animal House Visit	Datta Meghe Institute of Medical Science, Pre Clinical Research Center Swangi Meghe (Wardha) Maharashtra.	24/02/2018	35	Value addition, real time appreciation
Hospital Visit	Datta Meghe Institute of Medical Science, clinical trial research center- Swangi Meghe (Wardha) Maharashtra.	24/02/2018	35	Value addition, real time appreciation
Industrial visit	Glacier Pharmaceuticals, MIDC, Amravati.	31/12/2017	50	Value addition

CAY m2: 2016-17

Title	Professional societies	Date	Number of students presents	Achievements/ Benefits
Industrial Visit - Production	Priest Pharmaceuticals, MIDC, Amravati	17/07/16	40	Value addition, real time appreciation
Botanical (Herbal Medicinal) Garden Visit	Gopalpur Herbal Medicinal Garden, Examination of Herbal Medicine which is found only in Himachal Pradesh.	08/01/2017	32	Value addition and real time appreciation
Industrial Visit - Production	Polo Pharmaceuticals, Pvt. Ltd. Badii (H.P).	10/01/2017	32	Value addition, real time appreciation

Industrial visit	Glacier Pharmaceuticals, MIDC, Amravati	29/01/2017	45	Value addition
Hospital visit	Matoshri Hospital, Walgaon, Amravati.	05/02/2017	44	Value addition and real time appreciation

2.2.5 Initiatives related to skill development programme/ Industry (10)

(Mention the initiatives, implementation details and impact analysis)

As per SGBAU every student has to undergo four week training in industry/ hospital/ medical shop. College Training and Placement Cell facilitates arrangements for four week in-plant training which is undergone by the B Pharm T. Y. students. At the beginning of semester V, the cell gives orientation to the students regarding the in plant training and procedures to approach industries for the same. The cell also facilitates to issue official letters to the students which need to be submitted to the industries.

On the completion of the training, the students are asked to submit a report of same and one duplicate copy of training certificate. A short individual interactive session is held with training cell regarding their observation and experience during training. Students are benefited from such training as they have to learn machines, equipments from their syllabus. They get confidence and practical knowledge from such trainings. They also get help in the placement in Industry /hospitals.

Apart from university requirement institute has established an Entrepreneurship Development Cell under these cell students was motivated for entrepreneurship. For this purpose the cell organizes guest lecturers from nearby successful entrepreneurs on different topic including skill development.

2.2.6 Continuous Evaluation Process (10)

According to the SGBAU Amravati, 15% weightage is given to continuous evaluation for Choice Base Credit System in theory and practical of the 10 marks given in the scheme of syllabus 4 marks are given to attendance, 3 marks are given to academic activities and 3 marks are allotted for students-teacher interaction. In practical 5 marks are given in the scheme from which 2 marks are allotted for attendance and 3 marks for record and viva.

For continuous evaluation process we take feedback from students, alumni and employer. Analyse the feedback and necessary action are taken.

The institution follows a set mechanism of continuous assessment in terms of academic knowledge, skill development, through practical, industrial visit training exposure to world of work.

Continuous evaluation process is done through:

- Evaluation of COs and POs attainment by filling the identified gap from the content beyond the syllabus.
- Evaluation of adherence to academic calendar specially the date of sessional examination which were helpful to students for their planning of study.
- Evaluation of lesson plan/ teaching plan by the internal monitoring committee from time to time to execute the lesson plan prepared by the subject expert.
- Quality of question papers is evaluated by Sessional exam committee.
- Evaluation of Sessional papers is done after the completion of examination.
- Identification of weak students and bright students is based on the performance of first sessional examination of every semester.
- Efforts are provided by the subject teachers for weak students by giving remedial classes, solving problems of students by mentoring system, extra assignments are given. Impact analysis is done by the performance of students after the second sessional examination and the university examination.
- Encourage the bright students for attending seminars, workshop, poster and paper presentation, competitive examination such as GPAT etc.
- Student project is evaluated by the guide/ supervisor and finally evaluated by project assessment committee. Attainment of POs is evaluated and quality project is sorted out.
- Evaluation of quality of assignment was done by the subject expert by observing the attainment of COs and POs. Its impact analysis was done by observing their performance in the result.

- Quality of experiments is evaluated specially from beyond the syllabus which is carried out on sophisticated instrument.
- The academic knowledge formation is monitor trough the assessment process.
- Summer training of every student was evaluated.

Along with these special efforts are taken to overall development of the students. Students are given certain assignments by respective subject teacher. Students are also motivated to give seminar on the topic of their interest, and some students give seminar on some topics in the syllabus which boost confidence and the topic can understand in depth. The result of overall analysis was done by the assessment committee and takes a corrective action in all above parameters.

2.2.7 Quality of Experiments

(20)

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

The college has separate Instrument Room and Pilot-Plant. The syllabus of prescribed by SGBAU University has specified the list of experiments after due consideration of the quality of the experiments.

1. The laboratories are spacious and equipped with the necessary infrastructure that facilitate for the smooth conduct of experiments.
2. The college has the necessary equipments, instruments and apparatus as prescribed the Pharmacy Council of India.
3. The teachers are meritorious, well qualified and experienced for handling the practical/labs work and effective learning.
4. The teachers are continuously striving and actively involved in research work, which is translated into the practicals.
5. The animal experiments are being exposed to students for enhanced learning of pharmacology.
- 6.

6. The language laboratory imparts specific skill. A multimedia aided language lab gives stress on experiments based on: grammatical exercises, phonetics pronunciation, oral presentations, vocabulary building, writing skills and interview skills.
7. Each student is given opportunity to conduct the experiments independently. For this reason, the practical batch size limited to 20 to 22 students.
8. Sufficient number of systems is maintained in the computer lab to enable that each student can get one terminal, to work independently in a lab.
9. The sophisticated equipment procured to facilitate the learning for students.

Based on the perspectives and setup, the experimental course work is correlated to the program outcomes, while rating the equipment and performance of the students.

List of some quality experiments.

1. Influence of pH on dissolution of enteric coated tablet (marketed product)
Equipment involved – i) UV visible spectrophotometer ii) Dissolution test apparatus
2. Effect of pharmaceutical adjuvant (binder) on dissolution of tablet (prepared tablet)
Equipment involved– i) Single rotary tablet punching machine ii) Monsanto hardness tester iii) Dissolution test apparatus
3. To demonstrate the recording of electro cardiogram on electrocardiograph machine.
Equipment involved – i) ECG machine
4. Anxiolytic activity on experimental animals by using elevated plus maze model through video tracking system.
Equipment involved – i) Video tracking system
5. Comparative evaluation of marketed products using UV spectrophotometer
6. Synthesis of aspirin by green chemistry approach
7. Development of UV spectrophotometric method for estimation of drugs in multicomponent formulation.

CRITERION

3

COURSE, OUTCOMES AND PROGRAM OUTCOMES

CRITERION 3	Course Outcomes (COs) and Program Outcomes (POs)	100
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3.3. Course Outcomes (COs) and Program Outcomes (POs) 20

3.1. Establish the correlation between the courses and the Program Outcomes

(NBA defined Program Outcomes as mentioned in Annexure I)

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: C103: Anatomy and Physiology -I

Item	Anatomy and Physiology -I
C103.1	Student should able to recall the basic terminologies used.
C103.2	Student should able to demonstrate the structure of cell.
C103.3	Student should able to explain various elementary tissues of body.
C103.4	Student should able to relate the different working system of the body.
C103.5	Student should able to explain the composition of blood.
C103.6	Student should able to describe the various homeostatic mechanisms.

C103 is in the First year (First Semester), 103 is the subject code for Anatomy and Physiology- I and C103.1 to C103.6 are the outcomes of this course.

Course Name: C112: Anatomy and Physiology-II

Item	Anatomy and Physiology -II
C112.1	Student should able to relate the different working system of the body.
C112.2	Student should able to identify the various organs of different systems of human body.
C112.3	Student should able to explain the role of nervous system in function of different system of body.
C112.4	Student should able to interpret the knowledge of reproductive system of human body.
C112.5	Student should able to recall the structure of different muscle and its function.
C112.6	Student should able to appreciate, co-ordinate working pattern of different organs of each system.

C112 is in the First year (Second Semester), 112 is the subject code for Anatomy and Physiology- II and C112.1 to C112.6 are the outcomes of this course.

Course Name: C203: Pharmaceutical Organic Chemistry-I

Item	Pharmaceutical Organic Chemistry-I
C203.1	Student should able to study organic compound having various structural features.
C203.2	Student should able to understand types of reaction mechanism.
C203.3	Student should able to know the importance of reaction intermediates in stability of reactions.
C203.4	Student should able to recall various rules such as Sayetzeffs and Marconikov's rule.
C203.5	Student should able to apply the basic knowledge for the preparation and reactions of compound having different functional groups.
C203.6	Student should able to understand the synthesis of organic compounds of industrial significance.

C203 is in the Second year (Third Semester), 203 is the subject code for Pharmaceutical Organic Chemistry-I and C203.1 to C203.6 are the outcomes of this course.

Course Name: C213: Pharmaceutical Organic Chemistry-II

Item	Pharmaceutical Organic Chemistry-II
C213.1	Student should able to explore the knowledge of stereochemistry on the basis of nomenclature in stereoisomerism.
C213.2	Student should able to study the stability of free radical in reaction mechanism.
C213.3	Student should able to study of polycyclic compounds.
C213.4	Student should able to appreciate the use of acetoacetic and malonic ester in synthesis.
C213.5	Student should able to relate different class of chemical compounds with respect to different pharmacological activities.
C213.6	Student should able to apply the knowledge in synthesis of drugs and assimilate the concepts of rearrangements in the synthesis.

C213 is in the Second year (Fourth Semester), 213 is the subject code for Pharmaceutical Organic Chemistry- II and C213.1 to C213.6 are the outcomes of this course.

Course Name: C304: Pharmacognosy-III

Item	Pharmacognosy-III
C304.1	Student should able to describe morphology and histology of different plant organs.
C304.2	Student should able to identify drugs in the whole state and in powdered conditions with suitable examples of medicinal plants.
C304.3	Student should able to study the microscopic and morphological evaluation test of crude drugs.
C304.4	Student should able to achieve knowledge of marine pharmacognosy.
C304.5	Student should able to categories glycoside containing plants.
C304.6	Student should able to acquired good knowledge about chromatographic methods of detections of active constituents of various plants in India.

C304 is in the Third year (Fifth Semester), 304 is the subject code for Pharmacognosy-III and C304.1 to C304.6 are the outcomes of this course.

Course Name: C315: Pharmacognosy-IV

Item	Pharmacognosy-IV
C315.1	Student should able to achieve knowledge in the alkaloids, essential oils containing herbal drugs.
C315.2	Student should able to perform research that meets peer review standards.
C315.3	Student should able to give the knowledge and skill to become professional in the field of pharmacy.
C315.4	Student should able to understand standardization of medicinal plants and its preparation.
C315.5	Student should able to categories different natural antioxidants, nutraceuticals and aromatherapy.
C315.6	Student should able to know the modern extraction techniques, characterization and identification of the herbal drugs.

C315 is in the Third year (Sixth Semester), 315 is the subject code for Pharmacognosy-IV and C315.1 to C315.6 are the outcomes of this course.

Course Name: C401: Pharmaceutics-V

Item	Pharmaceutics-V
C401.1	Student should able to perceive the knowledge of various solid dosage form.
C401.2	Student should able to express parenterals products.
C401.3	Student should able to categories packaging materials for pharmaceutical products.
C401.4	Student should able to illustrate facets of GMP.
C401.5	Student should able to apply knowledge of aseptic techniques.
C401.6	Student should able to understand various tablet coating methods.

C401 is in the Final year (Seventh Semester), 401 is the subject code for Pharmaceutics-V and C401.1 to C401.6 are the outcomes of this course.

Course Name: C413: Pharmaceutics-VI

Item	Pharmaceutics-VI
C413.1	Student should able to understand prolong action pharmaceuticals.
C413.2	Student should able to illustrate novel drug delivery system.
C413.3	Student should able to classify validation methods.
C413.4	Student should able to categories polymers and its applications in formulation of pharmaceutical products.
C413.5	Student should able to understand stabilization techniques.
C413.6	Student should able to apply stability testing protocols.

C413 is in the Final year (Eighth Semester), 413 is the subject code for Pharmaceutics-VI and C413.1 to C413.6 are the outcomes of this course.

C201 is the second course in second semester and “1” to “N” are the outcomes of this course.

3.1.2 CO-PO matrices of courses selected in 3.1.1 (four matrices to be mentioned; one per semester from 1st to 8th semester; at least one per year) **05**

Note: Enter correlation level 1, 2 or 3 as defined below:

1: Slight (Low) 2 : Moderate (Medium) 3 : Substantial (High) If there is no correlation, put –

CRITERION

3

COURSE, OUTCOMES AND PROGRAM OUTCOMES

Course Name: C103: Anatomy and Physiology-I

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C103.1	3	-	-	1	-	-	-	-	-	-	-
C103.2	3	-	2	2	-	-	-	-	-	-	-
C103.3	3	-	-	1	-	-	-	-	-	-	-
C103.4	3	-	2	1	-	-	-	-	-	-	-
C103.5	3	-	1	1	-	-	-	-	-	-	-
C103.6	3	-	1	1	-	-	-	-	-	-	-
Average	3	-	1	2	-	-	-	-	-	-	-

Course Name: C112: Anatomy and Physiology-II

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C112.1	3	-	1	1	-	-	-	-	-	-	-
C112.2	3	-	1	1	-	-	-	-	-	-	-
C112.3	3	-	1	1	-	-	-	-	-	-	-
C112.4	3	-	1	1	-	-	-	-	-	-	-
C112.5	3	-	1	1	-	-	-	-	-	-	-
C112.6	3	-	1	1	-	-	-	-	-	-	-
Average	3	-	1	1	-	-	-	-	-	-	-

Course Name: C203: Pharmaceutical Organic Chemistry-I

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C203.1	3	1	1	1	-	-	-	1	-	-	-
C203.2	3	1	1	1	-	-	-	1	-	-	-
C203.3	3	1	2	1	-	-	-	1	-	-	-
C203.4	3	1	2	1	-	-	-	1	-	-	-
C203.5	3	1	2	1	-	-	-	1	-	-	-
C203.6	3	1	2	1	-	-	-	1	-	-	-
Average	3	1	2	1	-	-	-	1	-	-	-

Course Name: C213: Pharmaceutical Organic Chemistry-II

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C213.1	3	-	2	2	-	-	-	-	-	-	-
C213.2	3	-	2	2	-	-	-	-	-	-	-
C213.3	3	-	2	2	-	-	-	-	-	-	-
C213.4	3	-	2	2	-	-	-	-	-	-	-
C213.5	3	-	2	2	-	-	-	-	-	-	-
C213.6	3	-	2	2	-	-	-	-	-	-	-
Average	3	-	2	2	-	-	-	-	-	-	-

Course Name: C304: Pharmacognosy-III

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C304.1	3	3	2	2	1	2	1	1	2	2	-
C304.2	3	1	1	1	1	3	2	1	2	2	--
C304.3	2	1	1	2	1	2	1	1	2	1	-
C304.4	3	2	2	3	1	2	1	1	2	2	-
C304.5	3	2	1	2	1	2	1	1	2	1	-
C304.6	3	2	3	3	1	2	1	1	2	2	-
Average	3	2	2	2	1	2	1	1	2	2	-

Course Name: C315: Pharmacognosy-IV

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C315.1	3	2	2	3	1	2	1	1	2	1	-
C315.2	3	2	2	3	1	2	1	1	2	1	-
C315.3	3	2	3	3	1	1	1	1	2	2	-
C315.4	3	1	2	2	1	1	2	1	2	1	-
C315.5	3	1	2	2	1	1	2	1	1	1	-
C315.6	3	1	1	2	1	1	2	1	2	1	-
Average	3	2	2	3	1	2	2	1	2	1	-

CRITERION

3

COURSE, OUTCOMES AND PROGRAM OUTCOMES

Course Name: C401: Pharmaceutics-V

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C401.1	3	2	2	3	1	1	2	2	1	-	-
C401.2	3	3	3	3	2	1	2	2	-	-	-
C401.3	3	3	3	3	2	1	2	2	-	-	-
C401.4	3	3	3	3	2	2	3	3	1	2	-
C401.5	3	3	3	3	2	1	2	3	2	1	-
C401.6	3	3	3	3	2	1	3	3	2	2	-
Average	3	3	3	3	2	1	3	2	1	1	-

Course Name: C413: Pharmaceutics-VI

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C413.1	3	3	3	3	2	2	3	3	1	1	-
C413.2	3	3	3	3	1	1	3	3	1	1	-
C413.3	3	3	3	3	1	1	3	3	1	1	-
C413.4	3	3	3	3	2	1	3	3	1	1	-
C413.5	3	-	3	3	1	1	3	3	1	1	-
C413.6	3	3	3	3	1	1	3	3	1	1	-
Average	3	3	3	3	2	1	3	3	1	1	-

CRITERION

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COURSE, OUTCOMES AND PROGRAM OUTCOMES

3.1.3 Course-PO matrix of courses for all years of study

(10)

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

1: Slight (Low)

2: Moderate (Medium)

3: Substantial (High)

If there is no correlation put “-”

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C101	3	2	3	3	-	-	-	-	-	-	-
C102	3	-	2	2	-	-	-	-	-	-	-
C103	3	-	1	2	-	-	-	-	-	-	-
C104	3	-	1	1	-	-	-	-	-	-	-
C105	3	3	3	2	-	-	-	-	-	-	-
C106	3	3	3	2	-	-	-	-	-	-	-
C107	3	3	3	2	-	-	1	1	-	-	-
C108	3	1	1	2	-	-	-	-	-	-	-
C109	3	-	2	2	-	-	-	-	-	-	-
C110	3	3	2	2	-	-	-	-	-	-	-
C111	3	2	2	1	-	-	-	-	-	-	-
C112	3	-	1	1	-	-	-	-	-	-	-
C113	3	-	1	1	-	-	-	-	-	-	-
C114	3	2	3	2	1	-	-	-	-	-	-
C115	3	-	1	-	-	-	-	-	-	-	-
C116	3	2	2	2	-	-	-	-	-	-	-
C117	3	3	3	3	2	1	-	-	-	-	-
C118	3	-	2	2	-	-	-	-	-	-	-

CRITERION

3

COURSE, OUTCOMES AND PROGRAM OUTCOMES

C119	3	-	1	1	-	-	-	-	-	-	-
C120	3	3	3	3	3	-	-	-	-	-	-
C121	3	1	2	1	-	-	-	-	-	-	-
C201	3	1	2	2	-	-	-	1	-	-	-
C202	3	-	2	2	1	1	1	1	1	-	-
C203	3	1	2	1	-	-	-	1	-	-	-
C204	3	2	2	2	2	2	2	2	1	1	-
C205	3	2	2	2	-	1	-	-	-	-	-
C206	3	1	2	1	1	1	-	1	1	-	-
C207	3	2	2	1	-	-	1	1	-	-	-
C208	3	1	2	1	-	1	-	1	-	-	-
C209	3	1	1	1	-	-	-	1	-	-	-
C210	3	2	2	1	1	2	1	1	1	-	-
C211	3	2	2	1	-	-	-	1	-	-	-
C212	3	2	2	2	-	-	-	1	-	-	-
C213	3	-	2	2	-	-	-	-	-	-	-
C214	3	2	2	2	-	-	-	-	-	-	-
C215	3	1	1	1	-	-	-	-	-	-	-
C216	3	2	2	1	1	1	1	2	1	-	-
C217	3	2	2	1	-	-	-	2	-	-	-
C218	3	3	3	1	1	-	-	1	-	-	-
C219	3	2	2	2	-	-	-	1	-	-	-
C220	3	2	2	1	-	-	-	-	-	-	-
C221	3	2	2	2	-	-	-	-	-	-	-

CRITERION

3

COURSE, OUTCOMES AND PROGRAM OUTCOMES

C222	3	2	2	1	-	-	-	-	-	-	-
C301	3	3	3	3	2	1	1	1	1	1	-
C302	3	1	2	2	-	1	1	2	1	1	-
C303	3	2	2	3	1	2	1	1	1	1	-
C304	3	2	2	2	1	2	1	1	2	2	-
C305	3	-	2	2	-	1	1	2	1	1	-
C306	3	2	2	2	1	1	2	1	1	1	-
C307	3	3	3	3	2	2	2	2	1	1	-
C308	3	3	3	3	1	1	2	2	1	1	-
C309	3	3	3	3	1	1	2	2	1	1	-
C310	3	2	2	2	1	2	2	1	2	2	-
C311	3	3	3	3	1	1	1	2	2	1	-
C312	3	3	3	3	2	2	2	1	1	-	-
C313	3	1	2	1	-	1	2	2	1	1	-
C314	3	2	2	2	1	1	2	2	1	1	-
C315	3	2	2	3	1	2	2	1	2	1	-
C316	3	1	2	2	1	1	2	2	1	1	-
C317	3	1	2	2	1	1	2	2	1	1	-
C318	3	3	3	3	3	2	2	3	1	1	-
C319	3	3	3	3	1	1	3	3	1	1	-
C320	3	3	3	3	1	1	2	2	1	1	-
C321	3	2	2	3	1	2	2	1	2	2	-
C322	3	3	3	3	1	1	2	3	1	1	-
C323	3	3	3	2	1	-	1	2	-	-	-

CRITERION 3

COURSE, OUTCOMES AND PROGRAM OUTCOMES

C401	3	3	3	3	2	1	3	2	1	1	-
C402	3	-	3	3	-	1	2	2	1	2	-
C403	3	-	3	2	-	2	2	2	2	1	-
C404	3	-	3	3	-	2	2	3	1	2	-
C405	3	3	3	3	1	1	2	2	1	1	-
C406	3	3	3	1	2	2	2	3	1	1	-
C407	3	3	3	2	1	-	1	1	-	-	-
C408	3	3	3	3	2	1	2	3	1	1	-
C409	3	3	3	3	2	1	2	2	1	2	-
C410	3	3	3	3	2	1	2	2	1	1	-
C411	3	3	3	3	2	1	2	3	1	2	-
C412	3	3	3	3	2	1	3	2	1	1	-
C413	3	3	3	3	2	1	3	3	1	1	-
C414	3	3	3	3	2	2	2	2	1	1	-
C415	3	3	3	3	1	1	3	2	1	1	-
C416	3	1	2	3	1	1	2	2	1	1	-
C417	3	-	2	2	-	2	1	2	1	1	-
C418	-	-	-	3	2	1	1	2	-	-	-
C419	3	3	3	3	1	1	2	3	1	1	-
C420	3	3	3	3	1	1	1	3	1	1	-
C421	3	3	3	3	1	1	2	2	1	1	-
C422	3	3	3	3	1	1	1	2	1	1	-
C423	3	3	3	2	1	2	3	2	2	1	-

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

a. Internal Assessment**b. University Exam Assessment**

Twenty Five percent weightage is given for Internal Assessment and seventy five percent weightage is given for University Assessment. This is in accordance with the weightage given in University curriculum.

1. Internal Assessment: The course outcomes are assessed by the performance of students in the internal exams. Two sessional examinations are conducted based on syllabus of 20 marks for Theory and a 30marks for practical. This comprises of direct assessment.

2. University Examination: It is an important tool for assessment of course outcomes. This examination consists of descriptive type questions. University examination is conducted at the end of each semester based on entire syllabus for 60 marks. Also oral/Practical examination is conducted at the end of each semester for 50 marks as per syllabus.

As the University does not provide average or median marks, we have set University Pass Percentage (40%) as the target level for Theory courses and 60% marks as the target level for Practical courses.

Following table gives the description of different tools:

Assessment	Data Collection Process	Skills/Personal Characteristics demonstrated by the students
External	University Examination	<ul style="list-style-type: none"> Performance in exam indicates that breadth and depth of students fundamental knowledge applied to a particular course. Demonstrate the ability to synthesize ideas and critically evaluate topics related to course. Enhance critical thinking.
Internal	Assignments/ tutorial	<ul style="list-style-type: none"> Deep understanding of the subject matter in their discipline. Enable students to learn how to think. Develop students basic academic skills. Inculcates the self learning attitude among the students.
	Projects	<ul style="list-style-type: none"> Cultivate domain specific skills and knowledge. Demonstrate the ability to identify and formulate the problems. Gives experience of research, writing skills and oral communication.
	Seminar	<ul style="list-style-type: none"> Update the students with the latest progress and issues in a particular field. Develops the oral communication skills as well as confidence for self-education.
	Practical's	<ul style="list-style-type: none"> Disseminate students with pharmaceutical tools, equipments and techniques. Facilitates to understand the pharmaceutical terms and concepts learned in classrooms. Provides with actual experience of different works of students interest which aid them to become a pharmacist. Involves applications and deals with real time situations.

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)

As per the curriculum prescribed by University (SGBAU) weightage of End semester Exam marks and Internal Marks were considered and it was decided to calculate the CO Attainment as 75% weightage to the University Term End Examination and 25% weightage to the Internal Examination.

Batch 2014 to 2018

First Year (Semester I)

C103: Anatomy and Physiology -I

Internal Assessment (Sessional Examination)

Attainment level 1: 50% students scoring more than 40% of marks out of relevant maximum marks.

Attainment level 2: 60% students scoring more than 40% of marks out of relevant maximum marks.

Attainment level 3: 70% students scoring more than 40% of marks out of relevant maximum marks.

Percentage achieved = 82.14% : **LEVEL 3**

External Assessment (University Examination)

Attainment level 1: 50% students scoring more than 40% marks in University examination.

Attainment level 2: 60% students scoring more than 40% marks in University examination.

Attainment level 3: 70% students scoring more than 40% marks in University examination.

Percentage achieved = 57.14% : **LEVEL 1**

Total attainment level = $0.75 \times 1 + 0.25 \times 3 = 1.5$

First Year (Semester II)**C112: Anatomy and Physiology-II**

Internal Assessment (Sessional Examination)

Attainment level 1: 50% students scoring more than 40% of marks out of relevant maximum marks.

Attainment level 2: 60% students scoring more than 40% of marks out of relevant maximum marks.

Attainment level 3: 70% students scoring more than 40% of marks out of relevant maximum marks.

Percentage achieved = 85.71% : **LEVEL 3**

External Assessment (University Examination)

Attainment level 1: 50% students scoring more than 40% marks in University examination.

Attainment level 2: 60% students scoring more than 40% marks in University examination.

Attainment level 3: 70% students scoring more than 40% marks in University examination.

Percentage achieved = 60.71% : **LEVEL 2**

Total attainment level = $0.75 \times 2 + 0.25 \times 3 = 2.25$

Second Year (Semester-III)**C203: Pharmaceutical Organic Chemistry-I**

Internal Assessment (Sessional Examination)

Attainment level 1: 50% students scoring more than 40% of marks out of relevant maximum marks.

Attainment level 2: 60% students scoring more than 40% of marks out of relevant maximum marks.

Attainment level 3: 70% students scoring more than 40% of marks out of relevant maximum marks.

Percentage achieved = 66.67% : **LEVEL 2**

External Assessment (University Examination)

Attainment level 1: 50% students scoring more than 40% marks in University examination.

Attainment level 2: 60% students scoring more than 40% marks in University examination.

Attainment level 3: 70% students scoring more than 40% marks in University examination.

Percentage achieved = 68.18% : **LEVEL 2**

Total attainment level = $0.75 \times 2 + 0.25 \times 2 = 2$

Second Year (Semester IV)

C213: Pharmaceutical Organic Chemistry-II

Internal Assessment (Sessional Examination)

Attainment level 1: 50% students scoring more than 40% of marks out of relevant maximum marks.

Attainment level 2: 60% students scoring more than 40% of marks out of relevant maximum marks.

Attainment level 3: 70% students scoring more than 40% of marks out of relevant maximum marks.

Percentage achieved = 84.85% : **LEVEL 3**

External Assessment (University Examination)

Attainment level 1: 50% students scoring more than 40% marks in University examination.

Attainment level 2: 60% students scoring more than 40% marks in University examination.

Attainment level 3: 70% students scoring more than 40% marks in University examination.

Percentage achieved = 68.18% : **LEVEL 2**

Total attainment level = $0.75 \times 2 + 0.25 \times 3 = 2.25$

Third Year (Semester V)**C304: Pharmacognosy-III**

Internal Assessment (Sessional Examination)

Attainment level 1: 50% students scoring more than 40% of marks out of relevant maximum marks.

Attainment level 2: 60% students scoring more than 40% of marks out of relevant maximum marks.

Attainment level 3: 70% students scoring more than 40% of marks out of relevant maximum marks.

Percentage achieved = 89.39% : **LEVEL 3**

External Assessment (University Examination)

Attainment level 1: 50% students scoring more than 40% marks in University examination.

Attainment level 2: 60% students scoring more than 40% marks in University examination.

Attainment level 3: 70% students scoring more than 40% marks in University examination.

Percentage achieved = 78.89% : **LEVEL 3**

Total attainment level = $0.75 \times 3 + 0.25 \times 3 = 3$

Third Year (Semester VI)**C315: Pharmacognosy-IV**

Internal Assessment (Sessional Examination)

Attainment level 1: 50% students scoring more than 40% of marks out of relevant maximum marks.

Attainment level 2: 60% students scoring more than 40% of marks out of relevant maximum marks.

Attainment level 3: 70% students scoring more than 40% of marks out of relevant maximum marks.

Percentage achieved = 100% : **LEVEL 3**

External Assessment (University Examination)

Attainment level 1: 50% students scoring more than 40% marks in University examination.

Attainment level 2: 60% students scoring more than 40% marks in University examination.

Attainment level 3: 70% students scoring more than 40% marks in University examination.

Percentage achieved = 98.31% : **LEVEL 3**

Total attainment level = $0.75 \times 3 + 0.25 \times 3 = 3$

Final Year (Semester VII)

C401: Pharmaceutics-V

Internal Assessment (Sessional Examination)

Attainment level 1: 50% students scoring more than 40% of marks out of relevant maximum marks.

Attainment level 2: 60% students scoring more than 40% of marks out of relevant maximum marks.

Attainment level 3: 70% students scoring more than 40% of marks out of relevant maximum marks.

Percentage achieved = 98.31% : **LEVEL 3**

External Assessment (University Examination)

Attainment level 1: 50% students scoring more than 40% marks in University examination.

Attainment level 2: 60% students scoring more than 40% marks in University examination.

Attainment level 3: 70% students scoring more than 40% marks in University examination.

Percentage achieved = 94.92% : **LEVEL 3**

Total attainment level = $0.75 \times 3 + 0.25 \times 3 = 3$

Final Year (Semester VIII)**C413: Pharmaceutics-VI**

Internal Assessment (Sessional Examination)

Attainment level 1: 50% students scoring more than 40% of marks out of relevant maximum marks.

Attainment level 2: 60% students scoring more than 40% of marks out of relevant maximum marks.

Attainment level 3: 70% students scoring more than 40% of marks out of relevant maximum marks.

Percentage achieved = 100% : **LEVEL 3**

External Assessment (University Examination)

Attainment level 1: 50% students scoring more than 40% marks in University examination.

Attainment level 2: 60% students scoring more than 40% marks in University examination.

Attainment level 3: 70% students scoring more than 40% marks in University examination.

Percentage achieved = 100% : **LEVEL 3**

Total attainment level = $0.75 \times 3 + 0.25 \times 3 = 3$

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)

Several tools are described for assessing course outcomes. The program outcomes are based on the course outcomes. Thus, the tools remain the same for assessing the program outcomes

Assessment process:

The assessment tools are direct and indirect methods for evaluating the attainment of POs.

Direct methods:

1. Internal Assessment
2. University Exam Assessment

Indirect methods:

1. Program Exit Survey: At the end of the program, program exit survey is conducted to summarize the feedback of students and program outcome attainment level.
2. Alumni Survey: Alumni survey is conducted during Alumni meet.
3. Employer Survey: Employer survey is conducted once in a year.

PO evaluation

The process used to measure the attainment of POs through direct and indirect attainment is as follows,

Step 1: Course outcomes for all courses are drafted.

Step 2: Each course outcome is mapped to POs.

Step 3: Attainment of COs are measured by using direct assessment tools.

Step 4: By using result of CO attainment corresponding PO attainments are calculated.

Step 5: Also attainment of POs are calculated by using indirect attainment tools.

This process is repeated for all courses in the program to calculate attainment of POs.

CRITERION

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COURSE, OUTCOMES AND PROGRAM OUTCOMES

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).

Batch: 2014-2018

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C101	2.5	2.5	2.5	2.5	-	-	-	-	-	-	-
C102	1.5	-	1.5	1.5	-	-	-	-	-	-	-
C103	1.5	-	1.5	1.5	-	-	-	-	-	-	-
C104	3	-	3	3	-	-	-	-	-	-	-
C105	1	1	1	1	-	-	-	-	-	-	-
C106	1	1	1	1	-	-	-	-	-	-	-
C107	2.5	2.5	2.5	2.5	-	-	2.5	2.5	-	-	-
C108	3	3	3	3	-	-	-	-	-	-	-
C109	1.75	-	1.75	1.75	-	-	-	-	-	-	-
C110	1	1	1	1	-	-	-	-	-	-	-
C111	2	2	2	2	-	-	-	-	-	-	-
C112	2.25	-	2.25	2.25	-	-	-	-	-	-	-
C113	2	-	2	2	-	-	-	-	-	-	-
C114	1.5	1.5	1.5	1.5	1.5	-	-	-	-	-	-
C115	3	-	3	-	-	-	-	-	-	-	-
C116	3	3	3	3	-	-	-	-	-	-	-
C117	2.5	2.5	2.5	2.5	2.5	2.5	-	-	-	-	-

CRITERION

3

COURSE, OUTCOMES AND PROGRAM OUTCOMES

C118	1.5	-	1.5	1.5	-	-	-	-	-	-	-
C119	1	-	1	1	-	-	-	-	-	-	-
C120	1.75	1.75	1.75	1.75	1.75	-	-	-	-	-	-
C121	1.5	1.5	1.5	1.5	-	-	-	-	-	-	-
C201	2.25	2.25	2.25	2.25	-	-	-	2.25	-	-	-
C202	3	-	3	3	3	3	3	3	3	-	-
C203	2	2	2	2	-	-	-	2	-	-	-
C204	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	-
C205	3	3	3	3	-	3	-	-	-	-	-
C206	3	3	3	3	3	3	-	3	3	-	-
C207	3	3	3	3	-	-	3	3	-	-	-
C208	3	3	3	3	-	3	-	3	-	-	-
C209	3	3	3	3	-	-	-	3	-	-	-
C210	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	-	-
C211	3	3	3	3	-	-	-	3	-	-	-
C212	3	3	3	3	-	-	-	3	-	-	-
C213	2.25	-	2.25	2.25	-	-	-	-	-	-	-
C214	3	3	3	3	-	-	-	-	-	-	-
C215	3	3	3	3	-	-	-	-	-	-	-
C216	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	-	-
C217	3	3	3	3	-	-	-	3	-	-	-
C218	3	3	3	3	3	-	-	3	-	-	-
C219	3	3	3	3	-	-	-	3	-	-	-
C220	3	3	3	3	-	-	-	-	-	-	-

CRITERION

3

COURSE, OUTCOMES AND PROGRAM OUTCOMES

C221	3	3	3	3	-	-	-	-	-	-	-
C222	3	3	3	3	-	-	-	-	-	-	-
C301	3	3	3	3	3	3	3	3	3	3	-
C302	2.25	2.25	2.25	2.25	-	2.25	2.25	2.25	2.25	2.25	-
C303	3	3	3	3	3	3	3	3	3	3	-
C304	3	3	3	3	3	3	3	3	3	3	-
C305	3	-	3	3	-	3	3	3	3	3	-
C306	3	3	3	3	3	3	3	3	3	3	-
C307	3	3	3	3	3	3	3	3	3	3	-
C308	3	3	3	3	3	3	3	3	3	3	-
C309	2	2	2	2	2	2	2	2	2	2	-
C310	3	3	3	3	3	3	3	3	3	3	-
C311	3	3	3	3	3	3	3	3	3	3	-
C312	3	3	3	3	3	3	3	3	3	-	-
C313	3	3	3	3	-	3	3	3	3	3	-
C314	3	3	3	3	3	3	3	3	3	3	-
C315	3	3	3	3	3	3	3	3	3	3	-
C316	3	3	3	3	3	3	3	3	3	3	-
C317	3	3	3	3	3	3	3	3	3	3	-
C318	3	3	3	3	3	3	3	3	3	3	-
C319	3	3	3	3	3	3	3	3	3	3	-
C320	3	3	3	3	3	3	3	3	3	3	-
C321	3	3	3	3	3	3	3	3	3	3	-
C322	3	3	3	3	3	3	3	3	3	3	-

CRITERION

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COURSE, OUTCOMES AND PROGRAM OUTCOMES

C323	3	3	3	3	3	-	3	3	-	-	-
C401	3	3	3	3	3	3	3	3	3	3	-
C402	3	-	3	3	-	3	3	3	3	3	-
C403	3	-	3	3	-	3	3	3	3	3	-
C404	3	-	3	3	-	3	3	3	3	3	-
C405	3	3	3	3	3	3	3	3	3	3	-
C406	3	3	3	3	3	3	3	3	3	3	-
C407	3	3	3	3	3	-	3	3	-	-	-
C408	3	3	3	3	3	3	3	3	3	3	-
C409	3	3	3	3	3	3	3	3	3	3	-
C410	3	3	3	3	3	3	3	3	3	3	-
C411	3	3	3	3	3	3	3	3	3	3	-
C412	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	-
C413	3	3	3	3	3	3	3	3	3	3	-
C414	3	3	3	3	3	3	3	3	3	3	-
C415	3	3	3	3	3	3	3	3	3	3	-
C416	3	3	3	3	3	3	3	3	3	3	-
C417	3	-	3	3	-	3	3	3	3	3	-
C418	-	-	-	3	3	3	3	3	-	-	-
C419	3	3	3	3	3	3	3	3	3	3	-
C420	3	3	3	3	3	3	3	3	3	3	-
C421	3	3	3	3	3	3	3	3	3	3	-
C422	3	3	3	3	3	3	3	3	3	3	-
C423	3	3	3	3	3	3	3	3	3	3	-

CRITERION

3

COURSE, OUTCOMES AND PROGRAM OUTCOMES

PO Attainment

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Direct Attainment	2.66	2.72	2.66	2.66	2.83	2.88	2.88	2.88	2.89	2.92	-
Indirect Attainment	1.99	1.76	1.54	1.57	1.61	1.57	1.62	1.68	1.54	1.65	-
PO Attainment	2.53	2.53	2.43	2.44	2.59	2.62	2.63	2.64	2.62	2.67	-

Batch: 2013-2017

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C101	2.75	2.75	2.75	2.75	-	-	-	-	-	-	-
C102	1.25	-	1.25	1.25	-	-	-	-	-	-	-
C103	1.5	-	1.5	1.5	-	-	-	-	-	-	-
C104	1.25	-	1.25	1.25	-	-	-	-	-	-	-
C105	1.75	1.75	1.75	1.75	-	-	-	-	-	-	-
C106	1.75	1.75	1.75	1.75	-	-	-	-	-	-	-
C107	2.5	2.5	2.5	2.5	-	-	2.5	2.5	-	-	-
C108	3	3	3	3	-	-	-	-	-	-	-
C109	1.25	-	1.25	1.25	-	-	-	-	-	-	-
C110	2.75	2.75	2.75	2.75	-	-	-	-	-	-	-
C111	1.25	1.25	1.25	1.25	-	-	-	-	-	-	-
C112	2.25	-	2.25	2.25	-	-	-	-	-	-	-
C113	2.75	-	2.75	2.75	-	-	-	-	-	-	-
C114	3	3	3	3	-	-	-	-	-	-	-
C115	2.25	-	2.25	-	-	-	-	-	-	-	-
C116	1.5	1.5	1.5	1.5	-	-	-	-	-	-	-

CRITERION

3

COURSE, OUTCOMES AND PROGRAM OUTCOMES

C117	1	1	1	1	1	1	-	-	-	-	-
C118	1	-	1	1	-	-	-	-	-	-	-
C119	1.25	-	1.25	1.25	-	-	-	-	-	-	-
C120	2	2	2	2	2	-	-	-	-	-	-
C121	1.75	1.75	1.75	1.75	-	-	-	-	-	-	-
C201	2.25	2.25	2.25	2.25	-	-	-	2.25	-	-	-
C202	3	-	3	3	3	3	3	3	3	-	-
C203	1.75	1.75	1.75	1.75	-	-	-	1.75	-	-	-
C204	2	2	2	2	2	2	2	2	2	2	-
C205	3	3	3	3	-	3	-	-	-	-	-
C206	1.5	1.5	1.5	1.5	1.5	1.5	-	1.5	1.5	-	-
C207	3	3	3	3	-	-	3	3	-	-	-
C208	3	3	3	3	-	3	-	3	-	-	-
C209	3	3	3	3	-	-	-	3	-	-	-
C210	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	-	-
C211	3	3	3	3	-	-	-	3	-	-	-
C212	2.25	2.25	2.25	2.25	-	-	-	2.25	-	-	-
C213	3	-	3	3	-	-	-	-	-	-	-
C214	2.25	2.25	2.25	2.25	-	-	-	-	-	-	-
C215	3	3	3	3	-	-	-	-	-	-	-
C216	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	-	-
C217	3	3	3	3	-	-	-	3	-	-	-
C218	3	3	3	3	3	-	-	3	-	-	-
C219	3	3	3	3	-	-	-	3	-	-	-

CRITERION

3

COURSE, OUTCOMES AND PROGRAM OUTCOMES

C220	3	3	3	3	-	-	-	-	-	-	-
C221	3	3	3	3	-	-	-	-	-	-	-
C222	3	3	3	3	-	-	-	-	-	-	-
C301	3	3	3	3	3	3	3	3	3	3	-
C302	3	3	3	3	-	3	3	3	3	3	-
C303	3	3	3	3	3	3	3	3	3	3	-
C304	3	3	3	3	3	3	3	3	3	3	-
C305	3	-	3	3	-	3	3	3	3	3	-
C306	3	3	3	3	3	3	3	3	3	3	-
C307	3	3	3	3	3	3	3	3	3	3	-
C308	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	-
C309	3	3	3	3	3	3	3	3	3	3	-
C310	3	3	3	3	3	3	3	3	3	3	-
C311	3	3	3	3	3	3	3	3	3	3	-
C312	3	3	3	3	3	3	3	3	3	-	-
C313	2.25	2.25	2.25	2.25	-	2.25	2.25	2.25	2.25	2.25	-
C314	3	3	3	3	3	3	3	3	3	3	-
C315	3	3	3	3	3	3	3	3	3	3	-
C316	3	3	3	3	3	3	3	3	3	3	-
C317	3	3	3	3	3	3	3	3	3	3	-
C318	3	3	3	3	3	3	3	3	3	3	-
C319	3	3	3	3	3	3	3	3	3	3	-
C320	3	3	3	3	3	3	3	3	3	3	-
C321	3	3	3	3	3	3	3	3	3	3	-

CRITERION 3

COURSE, OUTCOMES AND PROGRAM OUTCOMES

C322	3	3	3	3	3	3	3	3	3	3	-
C323	3	3	3	3	3	-	3	3	-	-	-
C401	3	3	3	3	3	3	3	3	3	3	-
C402	3	-	3	3	-	3	3	3	3	3	-
C403	3	-	3	3	-	3	3	3	3	3	-
C404	3	-	3	3	-	3	3	3	3	3	-
C405	3	3	3	3	3	3	3	3	3	3	-
C406	3	3	3	3	3	3	3	3	3	3	-
C407	3	3	3	3	3	-	3	3	-	-	-
C408	3	3	3	3	3	3	3	3	3	3	-
C409	3	3	3	3	3	3	3	3	3	3	-
C410	3	3	3	3	3	3	3	3	3	3	-
C411	3	3	3	3	3	3	3	3	3	3	-
C412	3	3	3	3	3	3	3	3	3	3	-
C413	3	3	3	3	3	3	3	3	3	3	-
C414	3	3	3	3	3	3	3	3	3	3	-
C415	3	3	3	3	3	3	3	3	3	3	-
C416	3	3	3	3	3	3	3	3	3	3	-
C417	3	-	3	3	-	3	3	3	3	3	-
C418	3	-	-	3	3	3	3	3	-	-	-
C419	3	3	3	3	3	3	3	3	3	3	-
C420	3	3	3	3	3	3	3	3	3	3	-
C421	3	3	3	3	3	3	3	3	3	3	-
C422	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	-

CRITERION

3

COURSE, OUTCOMES AND PROGRAM OUTCOMES

C423	3	3	3	3	3	3	3	3	3	3	-
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PO Attainment

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Direct Attainment	2.63	2.72	2.63	2.64	2.83	2.85	2.91	2.85	2.88	2.94	-
Indirect Attainment	1.49	1.21	1.11	1.07	1.19	1.06	1.09	1.12	1.12	1.17	-
PO Attainment	2.41	2.42	2.33	2.32	2.50	2.49	2.54	2.51	2.53	2.58	-

Batch: 2012-2016

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C101	3	3	3	3	-	-	-	-	-	-	-
C102	1.5	-	1.5	1.5	-	-	-	-	-	-	-
C103	1.5	-	1.5	1.5	-	-	-	-	-	-	-
C104	1.5	-	1.5	1.5	-	-	-	-	-	-	-
C105	1.5	1.5	1.5	1.5	-	-	-	-	-	-	-
C106	3	3	3	3	-	-	-	-	-	-	-
C107	3	3	3	3	-	-	3	3	-	-	-
C108	3	3	3	3	-	-	-	-	-	-	-
C109	3	-	3	3	-	-	-	-	-	-	-
C110	3	3	3	3	-	-	-	-	-	-	-
C111	3	3	3	3	-	-	-	-	-	-	-
C112	2.25	-	2.25	2.25	-	-	-	-	-	-	-
C113	3	-	3	3	-	-	-	-	-	-	-
C114	3	3	3	3	3	-	-	-	-	-	-
C115	2.25	-	2.25	-	-	-	-	-	-	-	-

CRITERION

3

COURSE, OUTCOMES AND PROGRAM OUTCOMES

C116	0.75	0.75	0.75	0.75	-	-	-	-	-	-	-
C117	3	3	3	3	3	3	-	-	-	-	-
C118	3	-	3	3	-	-	-	-	-	-	-
C119	3	-	3	3	-	-	-	-	-	-	-
C120	1.5	1.5	1.5	1.5	1.5	-	-	-	-	-	-
C121	2.5	2.5	2.5	2.5	-	-	-	-	-	-	-
C201	2.25	2.25	2.25	2.25	-	-	-	2.25	-	-	-
C202	3	-	3	3	3	3	3	3	3	-	-
C203	2	2	2	2	-	-	-	2	-	-	-
C204	3	3	3	3	3	3	3	3	3	3	-
C205	3	3	3	3	-	3	-	-	-	-	-
C206	2.25	2.25	2.25	2.25	2.25	2.25	-	2.25	2.25	-	-
C207	2.25	2.25	2.25	2.25	-	-	2.25	2.25	-	-	-
C208	2.75	2.75	2.75	2.75	-	2.75	-	2.75	-	-	-
C209	3	3	3	3	-	-	-	3	-	-	-
C210	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	-	-
C211	3	3	3	3	-	-	-	3	-	-	-
C212	2.25	2.25	2.25	2.25	-	-	-	2.25	-	-	-
C213	2.5	-	2.5	2.5	-	-	-	-	-	-	-
C214	1.5	1.5	1.5	1.5	-	-	-	-	-	-	-
C215	1.5	1.5	1.5	1.5	-	-	-	-	-	-	-
C216	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	-	-
C217	3	3	3	3	-	-	-	3	-	-	-
C218	3	3	3	3	3	-	-	3	-	-	-

CRITERION 3

COURSE, OUTCOMES AND PROGRAM OUTCOMES

C219	3	3	3	3	-	-	-	3	-	-	-
C220	1.5	1.5	1.5	1.5	-	-	-	-	-	-	-
C221	2.5	2.5	2.5	2.5	-	-	-	-	-	-	-
C222	2.75	2.75	2.75	2.75	-	-	-	-	-	-	-
C301	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	-
C302	2.25	2.25	2.25	2.25	-	2.25	2.25	2.25	2.25	2.25	-
C303	1	1	1	1	1	1	1	1	1	1	-
C304	3	3	3	3	3	3	3	3	3	3	-
C305	1.5	-	1.5	1.5	-	1.5	1.5	1.5	1.5	1.5	-
C306	1	1	1	1	1	1	1	1	1	1	-
C307	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	-
C308	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	-
C309	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	-
C310	3	3	3	3	3	3	3	3	3	3	-
C311	3	3	3	3	3	3	3	3	3	3	-
C312	3	3	3	3	3	3	3	3	3	-	-
C313	1.5	1.5	1.5	1.5	-	1.5	1.5	1.5	1.5	1.5	-
C314	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	-
C315	3	3	3	3	3	3	3	3	3	3	-
C316	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	-
C317	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	-
C318	3	3	3	3	3	3	3	3	3	3	-
C319	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	-
C320	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	-

CRITERION

3

COURSE, OUTCOMES AND PROGRAM OUTCOMES

C321	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	-
C322	3	3	3	3	3	3	3	3	3	3	-
C323	3	3	3	3	3	-	3	3	-	-	-
C401	3	3	3	3	3	3	3	3	3	3	-
C402	2.25	-	2.25	2.25	-	2.25	2.25	2.25	2.25	2.25	-
C403	2.25	-	2.25	2.25	-	2.25	2.25	2.25	2.25	2.25	-
C404	2.75	-	2.75	2.75	-	2.75	2.75	2.75	2.75	2.75	-
C405	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	-
C406	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	-
C407	3	3	3	3	3	-	3	3	-	-	-
C408	3	3	3	3	3	3	3	3	3	3	-
C409	2	2	2	2	2	2	2	2	2	2	-
C410	3	3	3	3	3	3	3	3	3	3	-
C411	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	-
C412	3	3	3	3	3	3	3	3	3	3	-
C413	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	-
C414	3	3	3	3	3	3	3	3	3	3	-
C415	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	-
C416	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	-
C417	3	-	3	3	-	3	3	3	3	3	-
C418	-	-	-	3	3	3	3	3	-	-	-
C419	3	3	3	3	3	3	3	3	3	3	-
C420	3	3	3	3	3	3	3	3	3	3	-
C421	3	3	3	3	3	3	3	3	3	3	-

CRITERION

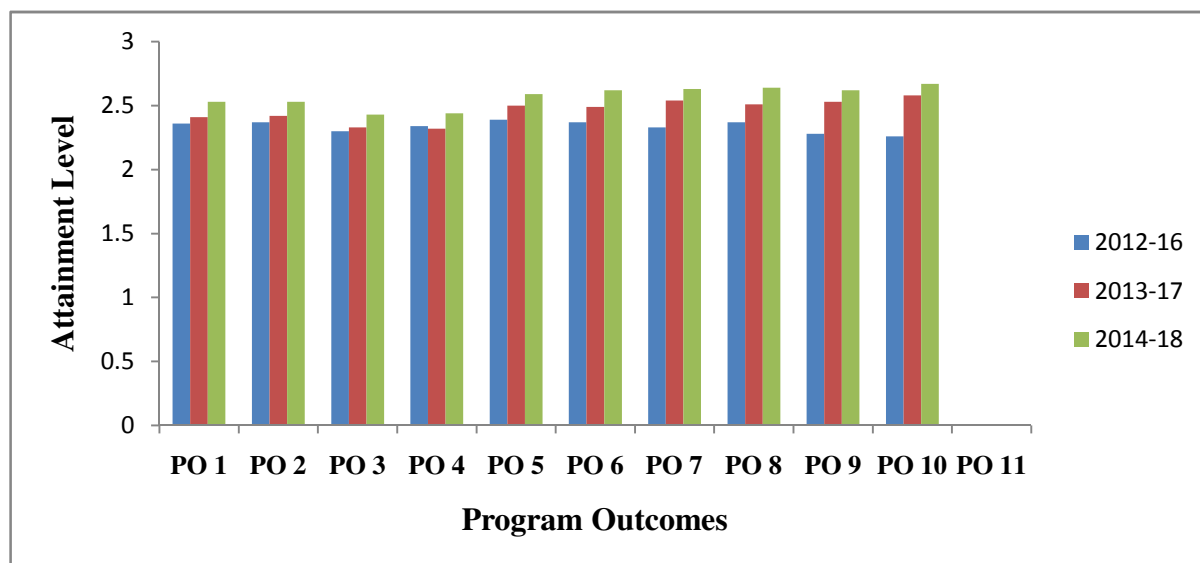
3

COURSE, OUTCOMES AND PROGRAM OUTCOMES

C422	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	-
C423	2	2	2	2	2	2	2	2	2	2	-

PO Attainment

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Direct Attainment	2.47	2.49	2.47	2.48	2.5	2.50	2.50	2.53	2.46	2.44	-
Indirect Attainment	1.94	1.90	1.60	1.80	1.78	1.84	1.64	1.72	1.52	1.52	-
PO Attainment	2.36	2.37	2.30	2.34	2.39	2.37	2.33	2.37	2.28	2.26	-



CRITERION

4

STUDENT'S PERFORMANCE

CRITERION	STUDENT'S PERFORMANCE	180
4		

4. Student's Performance

Item	CAY 2018 -19	CAY m1 2017-18	CAY m2 2016-17	CAY m3 2015-16
Sanctioned intake of the program (N)	60	60	60	60
Total number of students Admitted in first year (N1)	60	57	56	60
Number of students admitted in the 2nd year in same batch via lateral entry (N2)	00	10	10	21
Total number of students admitted in the programme (N1+N2)	60	67	66	81

4.1 Enrolment rate (20)

Enrolment ratio=N1/N

Item (Students enroll at first year level on average basis during the previous three academic years starting from current academic year)	Number of students	Marks
>=90% students enrolled	58.25 = 58	20

Enrolment Ratio=0.96

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

Year of entry	Number of students admitted in 1 st 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 or failure in any semester/year of study)			
	N1	N2	I year	II year	III year	IV year
CAY (2018-19)	60	00	-	-	-	-
CAY m1 (2017-18)	57	10	16	-	-	-
CAY m2 (2016-17)	56	10	17	19	-	-
CAY m3 (2015-16)	60	21	11	19	17	-
CAY m4 (2014-15)	58	28	13	20	19	19
CAY m5 (LYG m1) (2013-14)	43	38	12	19	17	17
CAY m6 (LYGm2) (2012-13)	59	26	14	19	14	14

Year of entry	Number of students admitted in 1 st 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)			
	N1	N2	I year	II year	III year	IV year
CAY (2018-19)	60	00	-	-	-	-
CAY m1 (2017-18)	57	10	57	-	-	-
CAY m2 (2016-17)	56	10	56	66	-	-
CAY m3 (2015-16)	60	21	60	58	55	-
CAY m4 (2014-15)	58	28	57	63	59	57
CAY m5 (LYG m1) (2013-14)	43	38	40	61	49	46
CAY m6 (LYGm2) (2012-13)	59	26	59	67	59	46

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

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

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

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

Item	LYG (2017-18)	LYGm1 (2016-17)	LYGm2 (2015-2016)
Number of students admitted in the corresponding First Year with lateral entry second year students	86	81	85
Number of students who have graduated without backlogs in the stipulated period	19	17	14
Success index (SI)	0.22	0.20	0.16

Average SI = 0.19 Success rate = $0.19 \times 30 = 5.7$

4.2.2. Success rate in stipulated period (20)

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

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

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

Item	LYG (2017-18)	LYGm1 (2016-17)	LYGm2 (2015-2016)
Number of students admitted in the corresponding First Year with lateral entry second year students	86	81	85
Number of students who have graduated with backlogs in the stipulated period	57	46	46
Success index (SI)	0.66	0.56	0.54

Average SI = 0.58 Success rate = $0.58 \times 20 = 11.6$

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 the final year courses

Academic Performance	CAYm1 (2017-18)	CAYm2 (2016-17)	CAYm3 (2015-16)
Mean of CGPA or Mean Percentage of all successful students (X)	65.88%	65.36%	65.75%
Total no. of successful students (Y)	57	46	46
Total no. of students appeared in the examination (Z)	58	47	55
API = $X \times (Y/Z)$	6.46	6.39	5.49
Academic Performance =Average API = (AP1 + AP2 + AP3)/3	$6.46 + 6.39 + 5.49 = 18.34$ $18.34 / 3 = 6.11$		

4.4. Academic Performance in Third Year**(10)****Academic Performance = Average API**

Academic Performance Index = (Mean of 3rdYear 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 (2017-18)	CAYm2 (2016-17)	CAYm3 (2015-16)
Mean of CGPA or Mean Percentage of all successful students (X)	61.99%	61.31%	58.53%
Total no. of successful students (Y)	58	47	55
Total no. of students appeared in the examination (Z)	59	49	59
API = $x^* (Y/Z)$	6.08	5.88	5.45
Academic Performance =Average API = $(AP1 + AP2 + AP3)/3$	$6.08+5.88+5.45 = 17.41$ $17.41/3=5.80$		

4.5 Academic Performance in Second Year (10)

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

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

Academic Performance	CAYm1 (2017-18)	CAYm2 (2016-17)	CAYm3 (2015-16)
Mean of CGPA or Mean Percentage of all successful students (X)	55.23%	63.30%	58.26%
Total no. of successful students (Y)	59	49	60
Total no. of students appeared in the examination (Z)	63	61	67
API = $x^* (Y/Z)$	5.16	5.08	5.21
Academic Performance =Average API = $(AP1 + AP2 + AP3)/3$	$5.16 + 5.08 + 5.21 = 15.45$ $15.45/3 = 5.15$		

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

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

Academic Performance Index (API) = (Mean of 1st 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 (2017-18)	CAYm2 (2016-17)	CAYm3 (2015-16)
Mean of CGPA or Mean Percentage of all successful students (X)	55.23%	58.30%	58.44%
Total no. of successful students (Y)	39	25	41
Total no. of students appeared in the examination (Z)	57	40	59
API = $x \times (Y/Z)$	3.77	3.64	4.05
Academic Performance = Average API = $(AP1 + AP2 + AP3)/3$	$3.77 + 3.64 + 4.05 = 11.46$ $11.46/3 = 3.84$		

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

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

Item	LYG (2017-18)	LYGm1 (2016-17)	LYGm2 (2015-2016)
Total No. of Final Year Students (N)	57	46	46
Number of students placed in Industries/hospital/ government sector through on/off campus recruitment or opted for entrepreneurship	32	17	17
No. of students admitted to higher studies with valid scores in various qualifying exams(y)	17	22	18
$x + y$	49	39	35
Placement Index : $(x + y)/N$	0.86	0.84	0.76
T = Average of $(x + y)/N$	$2.46/3 = 0.82$		
Assessment = $40 \times T$	$40 \times 0.82 = 32.8$		

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

Program name and Assessment year				
Sr. no.	Name of Student Placed	Enrollment No.	Name of the Employer	Appointment letter reference no. and date
1	Namrata Bhumbare	141468	Mylan Laboratories, Hyderabad.	MLL/AUR/HR/2018/10/718 dated 25/10/2018
2	Shivani Bhise	141467	TCS, Mumbai.	TCSL/DT20184093748/Mumbai/BPS/BTN dated 21/02/2018
3	Minal Naphade	1414629	TCS, Mumbai.	TCSL/DT20184087716/Mumbai/BPS/BTN dated 21/02/2018
4	Varshita Peer	1414632	TCS, Mumbai.	TCSL/DT20184086079/Mumbai/BPS/BTN dated 21/02/2018
5	Akshay Kadam	1514654	Glenmark Pharmaceuticals Pvt. Ltd, Nashik.	GPL/NSK/HR/18/636 dated 23/10/2018
6	Dynashwar Kanwale	1414621	Centaur Pharmaceuticals Pvt. Ltd, Mumbai.	HRD/FF/MA/AUG-18/0024508/SANKALP dated 14/08/2018

4.8. Professional Activities (20)

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

(Provide the relevant details)

All the programs are conducted under the banner of **Indian Pharmaceutical Association**, Local Branch, Amravati.

Composition:

Sr. No.	Name of the Nominee /Nominees	Position	No. of the Position
1	Dr. K. K. Tapar	President	(One Position)
2	Dr. S. S. Khadbadi	Vice President	(One Position)
3	Mr. J. V. Vyas	Hon. Secretary	(One Position)
4	Mr. A. R. Jaiswal	Joint Secretary	(One Position)
5	Dr. S. D. Pande	Treasurer	(One Position)
6	Dr. L. N. Barde	Council members	(Five Position)
7	Dr. S. J. Dighade	Council members	
8	Dr. M. Tawar	Council members	
9	Mrs. B. Mohokar	Council members	
10	Mr. R. I. Nanwani	Council members	

List of Professional activities-

Pharmacist day Celebration (2018-19)

25th September our college has celebrated Pharmacist Day with a theme **Pharmacists: your medicines experts**. Student of our college designed banner made campaign nearby local area. Banner where fixed in retail pharmacy outlet.

Budget: 10,000/-

Expenditure: 9300/-

Pharmacist day Celebration (2017-18)

25th September our college has celebrated Pharmacist Day with a theme **From research to health care: Your pharmacist is at your service**” Student of our college designed banner made campaign nearby local area. Banner where fixed in retail pharmacy outlet.

Budget: 10,000/-

Expenditure: 9530/-

Pharmacist day Celebration (2016-17)

25th September our college has celebrated Pharmacist Day with a theme “**Pharmacists: Caring for you**” Student of our college designed banner made campaign nearby local area. Banner where fixed in retail pharmacy outlet.

Budget: 7,000/-

Expenditure: 7,000/-

Pharmacist day (2015-16)

25th September our college has celebrated Pharmacist Day. Student of our college designed banner made campaign nearby local area. Banner where fixed in retail pharmacy outlet.

Budget: 7,000/-

Expenditure: 7,000/-

4.8.2. Publication of technical magazines, newsletters, etc.

(5)

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

- a) Students publications
- b) College magazine
- c) Pharmacy professional activities – Campaign

Student's publications: 2018 - 2019

Sr. No.	Author name	Title	Name of Journal	Year
1.	Vaibhav Khodke, Suraj Yadav, Amol Sawale	Formulation Development And Evaluation Of Fast Disintegrating Film	World Journal of Pharmaceutical Research, Volume 7, Issue 16, 920-931, ISSN 2277– 7105,	August:2018

Student's publications: (2017-18)

Sr. No.	Author name	Title	Name of Journal	Year
01	Sarang R. Masodkar, Shrikant D. Pande, Sandeep C. Atram	Co-crystallization: a new trend in active Pharmaceutical ingredients	World Journal of Pharmacy And Pharmaceutical Sciences Volume 7, Issue 1, 487-502 ISSN 2278 – 4357	Jan 2018
02	Datta D. Shelgavkar,	Development And Evaluation of	Innovations in Pharmaceuticals and	April 2017

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STUDENT'S PERFORMANCE

	Varsha M. Dhole, Vikram Singh, S. D. Pande	Oxiconazole Nitrate Hydrogel As A Topical Drug Delivery System	Pharmacotherapy Vol 5 (2), 76-83, 2017 eISSN: 2321-323X ISSN: 2395-0781	
03	Sarang R. Masodkar, Shrikant D. Pande Sandeep C. Atram	Development And Characterization of Telmisartan Tablet By The Use Of Co-Crystallization Technique	World journal of Pharmaceutical research Volume 7, Issue 5, 651-669 ISSN 2278 – 4357	April -2018

a) College Magazine (College has In-house publication of quarterly newsletter)

VBCP-ECHO and in-house newsletter named VBCP-ECHO is circulated it cover various article and social welfare activities. The motto of this newsletter to develop skill among staff and students. This news letter is available both in print and soft copy.

Titles of the Newsletters	CAY (2018-19)	CAYm1 (2017-18)	CAYm2 (2016-17)	Publisher
VBCP-ECHO	03	03	03	VBCP

b) Pharmacy professional activities –

1. Pharmacist day rally
2. Poster presentation
3. Work Shop

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).

a) Participation in inter-college - Achievements and prizes 2018-2019

Sr. No.	Name	Title	Prize	Conference	Venue	Year
1	Ms. Vaishnavi Vikhe	E-Pharmacy Vs Conventional Pharmacy	First	Inter college level	P.R. Pote College of Pharmacy, Amravati	Sept-2018
2.	Ms. Vaishnavi Vikhe	E-Pharmacy Vs Conventional Pharmacy	Second	State level	Sant Gadge Baba Amravati university	Feb-2019

b) Conference – Participation Conference -2018-2019

Sr. No	Author Name	Title	Conference	Venue	Year
1	Pratik Jadhao Nilesh Rathod Megha Kurmi Sakshi Akolkar +11 more students has been participated in workshop	Workshop on Troubleshoots and sophisticated analytical instrument	National Level	Govt. College of Pharmacy, Amravati.	Jan-2019
2	112 Students from our college has been participated in workshop	Symposium on Recent Trends in Pharmaceutical Production under the banner of local branch IPA Amravati	State Level	Vidyabharati College of Pharmacy, Amravati.	Feb-2019
4	Kartikey Raut	Googler	Inter college level	Government College of Engineering, Amravati.	March-2019
5	Kartikey Raut	Chanakya	Inter college level	Government College of Engineering, Amravati.	March-2019
6	Bhushan Pawar	Box-Cricket	Inter college level	Government College of Engineering, Amravati.	March-2019
7	Aditya S. Kadu	Googler	Inter college level	Government College of Engineering, Amravati.	March-2019
8	Aditya S. Kadu	Chanakya	Inter college level	Govt College of Engineering,Amt.	March-2019

Conferences -2017-18

Sr. No	Author Name	Title	Conference	Venue	Year
1	A.S. Yenkar, C.N. Vikhar	Formulation development of fast dissolving oral film	Avishkar	Shri. Shivaji Science College, Amravati	December-2017
2	K.D. Choudhari, R.V. Done	Antimicrobial activity of Hemidesmus indicus radix	Avishkar	Shri. Shivaji Science College, Amravati	December-2017
3	S.B. Khandve, V.V. Ghonge	Model Presentation on Environmental air pollution control system	Avishkar	Shri. Shivaji Science College, Amravati.	December-2017
4	P.K. Patel, O.S. Ingle	Role of excipients in drug product design	National level	Gurunanak College of Pharmacy, Nagpur.	Feb-2018
5	B. M. Bhoomij, O.P. Bende	Current trends in Novel drug delivery system	National level	Gulabrao Gawande College of Pharmacy Akola.	Feb-2018
6	P.D. Borule, A.R. Jadhav	Current Trends in Pharmacy	International Level	D Y Patil College of Pharmacy, Pune.	Jan-2018
8	T.W. Bhatkar, P.G. Jane	Recent trends in science and technology	National level	Karanja Lad.	March-2018

Conferences 2016-2017

Sr. No	Author Name	Title	Conference	Venue	Year
1	T N Samudrakolwar, Y S Parashar, H M Dhobale	Fast and direct spectrophotometric method for the determination of para-phenyl diamine in hair dye preparation	Avishkar	Shri Shivaji Science College Amravati.	December-2016
2	R K Badve, A D Vaidya, P S Kalantri	Autologous stem cell transplantation in small cell lung cancer	Avishkar	Shri Shivaji Science College Amravati.	December-2016
3	A C Kochar, R D Baktar, A M Khan	Relinquishing nicotine addiction	Avishkar	Shri Shivaji Science College Amravati.	December-2016
4	A S Hussain, S D Deshmukh, P P Bajaj	Recent trend for combating diabetes mellitus in children	Avishkar	Shri Shivaji Science College Amravati.	December-2016
5	S R Pawar, K R Patankar, NR Bhongale	E-Cigarette	Avishkar	Shri Shivaji Science College Amravati.	December-2016

Conferences 2015-2016

Sr. No	Author Name	Title	Conference	Venue	Year
1	Adanan Ahmed, P.G. Bhutada	Formulation and evaluation of Nanogel.	Avishkar	Shri Shivaji Science College, Amravati.	October - 2015
2	60 students from our college has been participated workshop	Workshop on Right to Information Act sponsored by SGBAU	District level	Vidyabharati College of Pharmacy, Amravati.	October - 2015

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FACULTY INFORMATION AND CONTRIBUTIONS

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5. Faculty Information and Contributions

(175)

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

CAY: 2018 - 19

Name of the faculty	Qualification			Association with institute	Designation	Date of Joining the institution	Department	Specialization	Academic Research			Sponsored Research (Funded)	Consultancy and Product development
	Degree (highest degree)	university	Years of Graduation						Research Paper Publication	PhD, Guidance	Faculty receiving Ph.D		
Dr. K.K. Tapar	Ph.D., 2008	RTM Nagpur university, Nagpur	1982	34	Professor & Principal	01/07/1986	Pharmacy	Pharmaceutics	1	03	-	-	1
Dr.S.D Pande	Ph.D., 2007	RTM Nagpur university, Nagpur	1990	24	Professor	01/08/1992	Pharmacy	Pharmaceutics	1	04	-	-	1
Mr. J. V.Vyas	M.Pharm, 1991	RTM Nagpur university, Nagpur	1990	26	Associate Professor	16/11/1992	Pharmacy	Pharmacology	-	-	-	-	-
Dr. M.D. Game	Ph.D., 2012	SGBAU, Amravati	1987	21	Associate Professor	1/09/1997	Pharmacy	Pharmaceutical chemistry	2	03	-	-	-
Mr. A.W. Baitule	M.Pharm, 1993	RTM Nagpur university, Nagpur	1992	23	Associate Professor	10/1995	Pharmacy	Pharmacognosy	-	-	-	-	-

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FACULTY INFORMATION AND CONTRIBUTIONS

Dr. V.P. Wankhade	Ph.D., 2014	SGBAU, Amravati	2005	11	Associate Professor	2/07/2007	Pharmacy	Pharmaceutics	1	-	-	-	-
Mr. S.G. Jawarkar	M. Pharm, 2004	MAHE, Manipal	2001	13	Assistant Professor	1/07/2005	Pharmacy	Pharmaceutical chemistry	1	-	-	-	-
Mr. L. K. Khande lwal	M.pharm 2001	RSUHS, Bangalore	1998	17	Assistant Professor	5/08/2004	Pharmacy	Pharmaceutical Chem.	-	-	-	-	-
Mr. A. A.Deshmukh	M.Pharm, 2006	RTM Nagpur university, Nagpur	2004	11	Assistant Professor	5/12/2007	Pharmacy	Pharmacognosy	-	-	-	-	-
Dr. K.B. Gabhan e	Ph.D., 2016	SGBAU, Amravati	2004	11	Assistant Professor	5/12/2007	Pharmacy	Pharmaceutical chemistry	-	-	-	-	-
Mr. V.M. Waghul kar	M.Pharm, 2005	RTM Nagpur university, Nagpur	2002	11	Assistant Professor	13/08/2007	Pharmacy	Q.A.	-	-	-	-	-
Miss. A. M. Wankhade	M. Pharm, 2004	RTM Nagpur university, Nagpur	2002	08	Assistant Professor	1/08/2010	Pharmacy	Pharmacology	1	-	-	-	-
Miss. M. P. Jadhav	M.Pharm, 2008	RTM Nagpur university, Nagpur	2006	10	Assistant Professor	21/08/2008	Pharmacy	Q.A.	-	-	-	-	-
Dr. V.V. Paithan kar	PhD 2014	Baghwant University Ajmer	2007	9	Assistant Professor	13/07/2009	Pharmacy	Pharmacology	-	-	-	-	-

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FACULTY INFORMATION AND CONTRIBUTIONS

Dr. N.N. Bobade	Ph.D., 2017	SGBAU, Amravati	2006	9	Assistant Professor	10/08/2006	Pharmacy	Pharmaceutics	1	-	Awarded with PhD	-	-
Mr. S.C. Atram	M.Pharm, 2009	BAMU, Aurangabad	2007	08	Assistant Professor	02/08/2007	Pharmacy	Pharmaceutics	1	-	-	-	-
Mr. A. V. Sawale	M.Pharm, 2018	SGBAU, Amravati,	2016	08 Month	Assistant Professor	01/08/2016	Pharmacy	Q. A	-	-	-	-	-
Miss. A. C. Jadhav	M.Pharm, 2013	SRTM. Nanded,	2011	08 Month	Assistant Professor	01/08/2011	Pharmacy	P' Chemistry	-	-	-	-	-

For CAY m1 2017 - 18

Name of the faculty	Qualification			Association with institute	Designation	Date of Joining the institution	Department	Specialization	Academic Research				Sponsored Research (Funded Research)	Consultancy and Product
	Degree(highest degree)	university	Years of Graduation						Research Paper Publication	PhD, Guidance	Faculty receiving Ph.D during the assessment year			
Dr. K.K. Tapar	Ph.D., 2008	RTM Nagpur university, Nagpur	1982	33	Professor & Principal	01/07/1986	Pharmacy	Pharmaceutics	02	03	-	-	-	01
Dr.S.D.P ande	Ph.D., 2007	RTM Nagpur university, Nagpur	1990	23	Professor	01/08/1992	Pharmacy	Pharmaceutics	03	04	-	-	-	-
Mr. J. V. Vyas	M.P harm, 1991	RTM Nagpur university, Nagpur	1990	25	Associate Professor	16/11/1992	Pharmacy	Pharmacology	01	-	-	-	-	-

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FACULTY INFORMATION AND CONTRIBUTIONS

Dr. M.D.Ga me	Ph.D ., 2012	SGBAU, Amravati	1987	20	Associate Professor	1/09/1997	Pharmacy	P' ceutical chemistry	01	03	-	-	-
Mr. A.W. Baitule	M.P harm , 1993	RTM Nagpur university, Nagpur	1992	22	Associate Professor	10/1995	Pharmacy	Pharmacogno sy	-	-	-	-	-
Dr. V.P. Wankhad e	Ph.D ., 2014	SGBAU, Amravati	2005	10	Associate Professor	2/07/2007	Pharmacy	Pharmaceutic s	-	-	-	-	-
Mr. S.G. Jawarkar	M.P harm , 2005	MAHE, Manipal	2001	12	Assistant Professor	1/07/2005	Pharmacy	P' ceutical chemistry	-	-	-	-	-
Mr. L. K. Khandel wal	M.p harm 2001	RSUHS, Bangalore	1998	16	Assistant Professor	5/09/2001	Pharmacy	P' ceutical chemistry	-	-	-	-	-
Mr. A. A.Deshm ukh	M.P harm , 2006	RTM Nagpur university, Nagpur	2004	10	Assistant Professor	5/12/2007	Pharmacy	Pharmacogno sy	-	-	-	-	-
Dr. K.B. Gabhane	Ph.D ., 2016	SGBAU, Amravati	2004	10	Assistant Professor	5/12/2007	Pharmacy	P' ceutical chemistry	-	-	-	-	-
Mr. V.M. Waghulk ar	M.P harm , 2005	RTM Nagpur university, Nagpur	2002	10	Assistant Professor	13/08/2007	Pharmacy	Q.A.	-	-	-	-	-
Miss. A. M. Wankhad e	M. Phar m, 2004	RTM Nagpur university, Nagpur	2002	07	Assistant Professor	1/08/2010	Pharmacy	Pharmacolog y	-	-	-	-	-

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FACULTY INFORMATION AND CONTRIBUTIONS

Miss. M. P. Jadhav	M.P harm , 2008	RTM Nagpur university, Nagpur	2006	09	Assistant Professor	21/08/2008	Pharmacy	Pharmacology Q.A.	01	-	-	-	-
Dr. V.V. Paithankar	PhD 2014	Baghwant University Ajmer	2007	08	Assistant Professor	13/07/2009	Pharmacy	Pharmacology	-	-	-	-	-
Dr. N.N. Bobade	Ph.D ., 2017	SGBAU, Amravati	2006	08	Assistant Professor	10/08/2009	Pharmacy	Pharmaceutics	-	-	Awarded with PhD.,	-	-
Mr. S.C. Atram	M.P harm , 2009	BAMU, Aurangabad	2007	07	Assistant Professor	03/08/2010	Pharmacy	Pharmaceutics	02	-	-	-	-
Mr. S. R. Masodkar	M.P harm , 2017	SGBAU, Amravati,	2014	01	Assistant Professor	18/08/2017	Pharmacy	Pharmaceutics	-	-	-	-	-

Table B.5

For CAYm2 2016-17

Name of the faculty	Qualification			Association with institute	Designation	Date of Joining the institution	Department	Specialization	Academic Research			Sponsored Research (Funded Research)	Consultancy and Product development
	Degree(highest degree)	university	Years of Graduation						Research Paper Publication	PhD, Guidance	Faculty receiving Ph.D during the assessment year		
Dr. K.K.Tapar	Ph.D., 2008	RTM Nagpur university, Nagpur	1982	32	Professor & Principal	01/07/1986	Pharmacy	Pharmaceutics	02	04	-	-	-

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FACULTY INFORMATION AND CONTRIBUTIONS

Dr.S.D.Pande	Ph.D., 2007	RTM Nagpur university, Nagpur	1990	22	Professor	01/08/1992	Pharmacy	Pharmaceutics	02	05	-	-	-
Mr. J. V. Vyas	M.Pharm, 1991	RTM Nagpur university, Nagpur	1990	24	Associate Professor	16/11/1992	Pharmacy	Pharmacology	-	-	-	-	-
Dr. M.D.Game	Ph.D., 2012	SGBAU, Amravati	1987	19	Associate Professor	1/09/1997	Pharmacy	Pharmaceutical chemistry	-	03	-	-	-
Mr. A.W. Baitule	M.Pharm, 1993	RTM Nagpur university, Nagpur	1992	21	Associate Professor	10/1995	Pharmacy	Pharmacognosy	02	-	-	-	-
Mr. L. K. Khandelwal	M.pharm 2001	RSUHS, Bangalore	1998	15	Assistant Professor	5/09/2001	Pharmacy	Pharmaceutical Chemistry	-	-	-	-	-
Mr. S.G. Jawarkar	M.Pharm, 2005	MAHE, Manipal	2001	11	Assistant Professor	1/07/2005	Pharmacy	Pharmaceutical chemistry	-	-	-	-	-
Dr. V.P. Wankhade	Ph.D., 2014	SGBAU, Amravati	2005	09	Assistant Professor	2/07/2007	Pharmacy	Pharmaceutics	-	-	-	-	01
Mr. A. A.Deshmukh	M.Pharm, 2006	RTM Nagpur university, Nagpur	2004	09	Assistant Professor	5/12/2007	Pharmacy	Pharmacognosy	-	-	-	-	-
Dr. K.B. Gabhane	Ph.D., 2016	SGBAU, Amravati	2004	09	Assistant Professor	5/12/2007	Pharmacy	Pharmaceutical chemistry	01	-	Awarded with PhD.,	-	-

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FACULTY INFORMATION AND CONTRIBUTIONS

Mr. V.M. Waghulkar	M.Pharm, 2005	RTM Nagpur university, Nagpur	2002	09	Assistant Professor	13/08/2007	Pharmacy	Q.A.	-	-	-	-	-
Miss. A. M. Wankhade	M. Pharm, 2004	RTM Nagpur university, Nagpur	2002	06	Assistant Professor	1/08/2010	Pharmacy	Pharmacology	-	-	-	-	-
Miss. M. P. Jadhav	M.Pharm, 2008	RTM Nagpur university, Nagpur	2006	08	Assistant Professor	21/08/2008	Pharmacy	Q.A.	-	-	-	-	-
Dr. V.V. Paithankar	PhD 2014	Baghwant University Ajmer	2007	07	Assistant Professor	13/07/2009	Pharmacy	Pharmacology	-	-	-	-	-
Dr. N.N. Bobade	Ph.D., 2017	SGBAU, Amravati	2006	07	Assistant Professor	10/08/2009	Pharmacy	Pharmaceutics	1	-	-	-	-
Mr. S.C. Atram	M.Pharm, 2009	BAMU, Aurangabad	2007	06	Assistant Professor	03/08/2010	Pharmacy	Pharmaceutics	-	-	-	-	-
Mr. V. L. Salode	M.Pharm, 2010	SGBAU, Amravati	2005	05	Assistant Professor	17/10/2011	Pharmacy	Pharmaceutical chemistry	-	-	-	-	-
Miss. A. B. Tasare	M.Pharm, 2016	SGBAU, Amravati	2002	01	Assistant Professor	01/07/2016	Pharmacy	Pharmaceutics	-	-	-	-	-

Table B.5

5.1. Student-Faculty Ratio (SFR)

(20)

(No of Faculty as per the sanctioned intake)

No. of UG Programs in the Department (n):

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FACULTY INFORMATION AND CONTRIBUTIONS

No. of PG Programs in the Department (m):	03
No. of Students in UG 1 Year (u1) =	60
No. of Students in UG 2 Year (u2) =	66
No. of Students in UG 3 Year (u3) =	66
No. of Students in UG 4 Year (u4) =	72
No. of Students in PG 1Year (p1) =	26
No. of Students in PG 2 Year (p1) =	29

Note:

No. of Students = Sanctioned Intake + Actual admitted lateral entry

$$264 = 240 + 24$$

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

S = Number of Students in the Department

$$= \text{UG1} + \text{PG1} + \text{PG2} = 264 + 26 + 29 = 319$$

F = Total Number of Regular Faculty Members in the Department

$$= 319 / 18 = 17.72$$

Student Faculty Ratio (SFR) = S/F

Year	(CAY) 2018-19	(CAY m1) 2017-18	(CAYm2) 2016-17
u1.1	60	60	60
u1.2	66	66	72
u1.3	66	72	72
u1.4	72	72	72
UG1	264	270	276
p1.1	08	12	07
p1.2	12	07	16
PG1	20	19	23
p2.1	10	12	08
p2.2	12	08	02
PG2	22	20	10
p3.1	08	05	05
p3.2	05	05	04
PG3	13	10	09

PG1 + PG2 + PG3	55	49	42
Total No. of Students in the Department (S)	319 S1 = 319	319 S1 = 319	318 S1 = 318
No. of Faculty in the Department (F)	18	17	18
Student Faculty Ratio (SFR)	17.72	18.76	17.66
Average SFR	SFR = (SFR1 + SFR2 + SFR3)/3 = 18.04		

Table B.5.1

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

Marks distribution is given as below:

15.00 - 15.50 - 20 marks

15.51 - 16.50 – 18 marks

16.51 - 17.50 - 16 marks

17.51 – 18.50 - 14 marks

18.51 – 19.50 - 12 marks

19.51 – 20.00 - 10 marks

Note:

Minimum 75% should be Regular/ full time faculty and the remaining shall be Contractual Faculty/Adjunct Faculty/Resource persons from industry as per AICTE norms and standards. The contractual faculty will be considered for assessment only if a faculty is drawing a salary as prescribed by the concerned State Government for the contractual faculty in the respective cadre *and who have taught over consecutive 4 semesters.*

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

Year	Professors		Associate Professors		Assistant Professors	
	Required F1	Available	Required F2	Available	Required F3	Available
CAY (2018-19)	2	2	4	4	12	12
CAYm1 (2017-18)	2	2	4	4	12	11
CAYm2 (2016-17)	2	2	4	3	12	13
Average Numbers	RF1=2	AF1=2	RF2=4	AF2=3.66	RF3=12	AF3=12

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

Cadre Proportion Marks = 19.49

Cadre Proportion Marks = 19.49

If AF1 = AF2= 0 then zero marks

Maximum marks to be limited if it exceeds the allocated marks

Example: Intake = 180; Required number of Faculty: 12; RF1= 1, RF2=2 and RF3=9 Case 1:

AF1/RF1= 1; AF2/RF2 = 1; AF3/RF3 = 1 Cadre proportion marks = $(1+0.6+0.4) \times 10 = 20$

Case 2: AF1/RF1= 1; AF2/RF2 = 3/2; AF3/RF3 = 8/9 Cadre proportion marks = $(1+0.9 +0.3) \times 10 =$ limited to 20

5.3. Faculty Qualification (20)

FQ = $2 \times (10X + 6Y) / F$ 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)

Year	X	Y	F	FQ=2*[(10X+ 6Y)/F]
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CRITERION 5

FACULTY INFORMATION AND CONTRIBUTIONS

2018-2019	07	11	18	15.11
2017-2018	07	10	17	14.29
2016-2017	06	12	18	14.66
Average Assessment:				15.02

5.4. Faculty Retention

(20)

Item	Marks
>= 90% of required Faculty members retained during the period of assessment keeping CAYm2 as base year	20
>= 75% of required Faculty members retained during the period of assessment keeping CAYm2 as base year	16
>= 60% of required Faculty members retained during the period of assessment keeping CAYm2 as base year	12
>= 50% of required Faculty members retained during the period of assessment keeping CAYm2 as base year	08
<50% of required Faculty members retained during the period of assessment keeping CAYm2 as base year	00

Faculty Retention = **94.33%**

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

1. The conventional teaching method of 'chalk and talk' is shifted to ICT - based classroom teaching. This allowed more scope and time for interaction with students, rather than developing the concepts on the blackboard. In a few subjects, the traditional method of teaching is continued as in Mathematics, Pharmaceutical Chemistry, Pharmaceutics and Pharmacognosy.
2. The communication technology (ICT) is fully employed for training in the language lab using software that trains the students with international trends and formats.
3. The teaching faculty is also involved in development of books and laboratory manuals, which facilitates the learning by students.
4. The faculty encourages the students to get experience in answering MCQ type of questions. This was beyond the curriculum for old syllabus and now implemented in new PCI syllabus so as to train the students for competitive exams, GPAT etc.
5. Tutorials are made more interactive and student-centric which facilitates the learning process.
6. Assignments on subject topics are being introduced and are self learning exercises for the students, where in the teacher acts as a facilitator. It includes instructional methods.
7. Teachers focused group study.
8. Faculty takes efforts to develop lifelong learning attitude in students.
9. Institute conducts the Soft skill classes for personality development.
10. Conduct the Quality of laboratory experiments by teachers.
11. Weak and bright students Identification by subject teachers.
12. Pedagogical initiatives taken by the department in addition to Chalk & Talk, Lectures, Assignments, power point presentation, tutorials;-Working model/Visual charts/ videos.

CRITERION

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FACULTY INFORMATION AND CONTRIBUTIONS

SN	Year	Availability/P PT/ video	Usage	Benefit
1	2018-19	15	Improves students ability to apply what they learn, course content that clarifies changes in theory, novel assignments leads to increased student engagement, student publications, and/or activities that bring students from diverse backgrounds together	Learners (quantitative and qualitative), research data and analysis, or measures of change in student achievement and success rates.
2	2017-18	12	Diagrammatic presentation is effective	Better impact to understand the concept given in subject
3	2016-17	10	Visualizing the organ Models	This led to improvement in understanding

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

Sr. no.	Name of the Faculty (contributing to FRP)	Max 5 per Faculty		
		2018-19	2017-18	2016-17
1	Dr. S. D. Pande		3	5
2	Dr. V.P. Wankhade	5	5	
3	Mr. S.G. Jawarkar	5	5	
4	Dr.K. B. Gabhane		5	5
5	Mr. A. A. Deshmukh		5	5
6	Mr. M. P. Jadhav		5	
7	Dr. N.N. Bobade		5	
8	Mr. S.C. Atram			5
9	Dr. M. D. Game			
10	Mr. A. A. Baitule			

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FACULTY INFORMATION AND CONTRIBUTIONS

11	Mr. J. V. Vyas			5
12	Dr. V. V. Paithankar	5		
13	Mrs. A. M. Wankhade	5		5
14	Mr. V. L. Salode			5
15	Mr. S. R. Masodkar		5	
16	Mr. L. K. Khandelwal			5
17	Miss. M. P. Jadhav	5		
18	Mr. V.M.Waghulkar	5		
	Sum	30	38	40
	<i>RF</i> = Number of Faculty required to comply with 15:1, Student-Faculty ratio as per 5.1	17.72	18.76	17.66
	Assessment = $3 \times \text{Sum} / (0.5 \text{ RF})$	10.15	12.15	13.59
	Average assessment over three years (Marks limited to 15) = 11.96			

Staff attending conference & workshops

Sr. no.	Name of the Faculty	Conference/workshop Attended by Faculty
1	2018-19	21
2	2017-18	44
3	2016-17	13

Oral and poster presentations given by faculty

CAY 2018-19

Sr.no.	Name of the Faculty	Title of the paper presented	Title of Conference/workshop/seminar	Dates
1	Mrs. A.M. Wankhade	Formulation and Evaluation of Deodorant sticks by using Natural	Amravati District Intercollegiate Research Festival, Aviskar-2018, Shri Shivaji Science College,	18 th Dec 2018

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FACULTY INFORMATION AND CONTRIBUTIONS

		perfuming Agent	Amravati	
2	Mrs. A.M. Wankhade	Formulation and Evaluation of Deodorant sticks by using Natural perfuming Agent	Intra-university Student Research Convention, Aviskar-2018, SGBAU, Amravati University, Amravati	26 th Dec to 27 th Dec 2018
3	Mr. S. G. Jawarkar	Formulation and Evaluation of Deodorant sticks by using Natural perfuming Agent	Amravati District Intercollegiate Research Festival, Aviskar-2018, Shri Shivaji Science College, Amravati	18 th Dec 2018
4	Mr. S. G. Jawarkar	Formulation and Evaluation of Deodorant sticks by using Natural perfuming Agent	Intra-university Student Research Convention, Aviskar-2018, SGBAU, Amravati University, Amravati	26 th Dec to 27 th Dec 2018
5	Mr. S. G. Jawarkar	Formulation and Evaluation of Deodorant sticks by using Natural perfuming Agent	Inter university Research Convention, Avishkar-2018, Gondwana University, Gadchiroli	15 th Jan to 18 th Jan 2019.

CAY m1 2017-18

Sr.no.	Name of the Faculty	Title of the paper presented	Title of Conference/workshop/seminar	Dates
1	Mrs.A.M Wankhade	Poster Presentation: Pharmacological evaluation of <i>benincasa hispida</i> on chronic foot shock induced stress in mice	Annual conference of Indian Pharmacological society: Integrating Pharmacology with modern Healthcare IPSCON-2017, Mumbai.	15-17 feb 2018
2	Dr. V. P. Wankhade	Self Nano-Emulsifying Drug Delivery Sysytem for High Molecular weight Drug	UGC & DST Sponsored international conference on Recent trends in Science and Technology.	22th & 23 rd March 2018

5.7.1. Academic Research

(10)

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

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FACULTY INFORMATION AND CONTRIBUTIONS

- 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.

Sr.no.	Name of the Faculty	Number of Faculty Research Publications		
		CAY 2018-19	CAY m1 2017-18	CAY m2 2016-17
1	Dr. K.K.Tapar	1	-	2
2	Dr.S.D.Pande	1	3	2
3	Dr. Mrs M.D.Game	2	2	-
4	Mr. A.W. Baitule	-	-	2
5	Mr. S.G. Jawarkar	1	-	1
6	Dr. K.B. Gabhane	-	-	1
7	Mr. V.M. Waghulkar	-	1	-
8	Miss. M. P. Jadhav	-	1	-
9	Dr. N.N. Bobade	1	-	1
10	Mr. S.C. Atram	1	1	-
11	Mr. S. R. Masodkar	-	-	-
12	Dr. V.V. Paithankar	-	-	1
13	Mr. J. V. Vyas	1	-	-
14	Dr. V.P.Wankhade	1	-	-

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FACULTY INFORMATION AND CONTRIBUTIONS

15	Mrs. A. M. Wankhade	1	-	-
16	Mr. A.V. Sawale	1	-	-

Sr.no.	Name of the Faculty	Number of Faculty Guide Ph.D., Students		
		CAY 2018-19	CAY m1 2017-18	CAY m2 2016-17
1	Dr. K. K. Tapar	03	03	04
2	Dr. S. D. Pande	04	04	05
3	Dr. Mrs. M. D. Game	03	03	03

CAY 2018-19

Sr.no.	Main author and others	Title of the research article	Journal name; ISSN number	Volume and page numbers	Year
1	S. G. Jawarkar, M.D. Game	Quantitative Structure activity Relationship: A tool for New Drug Design	World journal of Pharmaceutical Sciences, ISSN No(P): 2321-3310 ISSN No(O):2321-3086	Vol. 06, Issue 08, Page no: 120-126	Aug-2018
2	A.V. Sawale, S. Yadav, V. Khodke	Formulation and Development of Fast Disintegrating Oral Film	World journal of Pharmaceutical Research, 2019 ISSN No: 2277-7105	Vol. 07, Issue 16, Page no: 920-931	Aug-2018
3	A.M. Wankhade	Evaluation Of Anti-Compulsive Effect Of Ethanoloic Extract Of Bacopa Monnieri Leaves In Mice	Indo American Journal of Pharmaceutical Research, 2019 ISSN NO: 2231-6876	Vol. 08, Issue 12, Page no: 1409-1414	Dec-2018
4	S.C Atram, A. V. Joshi, N.N Bobde, V. P Wankhade, Dr. S.D. Pande	Formulation and Evaluation of Pluronic Lecithin Clotrimazole Organogel For Topical Delivery	Indo American Journal of Pharmaceutical Research, 2019 ISSN NO: 2231-6876	Vol. 08, Issue 01, Page no: 1860-1864	Feb2019
5	Dr. M.D. Game	First Order Derivative Spectrophotometric Method For Simultaneous Estimation Of Rosiglitazone And Glimpiride In Combined	Research Journey, International E Research Journal, 2019 ISSN NO: 2348-7143	Special Issue 110B: Chemistry Page no:	Feb2019

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FACULTY INFORMATION AND CONTRIBUTIONS

6	J.V. Vyas	Dosage Form Ginko Biloba extract potentiates nootropics effects of pircetam against ethanol-induced dementia and brain damage	Innovations in Pharmaceuticals and Pharmacotherapy, by Innovational Publishers, e-ISSN: 2321-323x	171-176 Page no. 15-19	Jan-March 2019
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CAY m1 2017-18

Sr. no	Main author and others	Title of the research article	Journal name; ISSN number	Volume and page numbers	Year
1	S. R. Masodkar, S. D. Pande, S. C. Atram	Co-crystallization: a new trend in active Pharmaceutical ingredients	World Journal Of Pharmacy And Pharmaceutical Sciences ISSN 2278 – 4357	Volume 7, Issue 1, 487-502	Jan 2018
2	S. Bawane, R. Telrandhe, Dr. S. D. Pande	Formulation and Evaluation of Oral Fast Dissolving Film of BisoprololFumarate	International Journal Of Pharmaceutics & Drug Analysis http://ijpda.com ; ISSN: 2348-8948	Vol.6 Issue 2, 2018; 105 – 115	Feb.2018
3	M. P Jadhao, Dr. Mrs. M.D. Game	Implementation Of Quality By Design Study On Analytical Method Development And Validation Of Teneligiptine Hydrobromide"	International Journal Of Chemical And Pharmaceutical Analysis	Volume 7, Issue 1, 487-502	Feb.2018
4	Dr. Mrs. M.D. Game, Naglaxmi Bopudi	Degradation Study of Dapagliflozin in API by Spectroscopic Method	International Journal Of Pharmaceutics & Drug Analysis Vol.6 issue 2, 2018; 84 – 88 ; ISSN: 2348-894884	Vol.6 issue 2, 2018; 84 – 88	Feb.2018

CAY m2 2016-17

Sr. no.	Main author and others	Title of the research article	Journal name; ISSN number	Volume and page numbers	Year
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FACULTY INFORMATION AND CONTRIBUTIONS

1	D. D. Shelgavkar, V. M. Dhole, V. Rathod, S. D. Pande	Development and evaluation of oxiconazole nitrate hydrogel as a topical drug delivery system	Innovations in Pharmaceuticals and Pharmacotherapy Vol 5 (2), 76-83, 2017 eISSN: 2321-323X pISSN: 2395-0781	Vol 5 (2), 76-83,	April. 2017
2	K. B. Gabhane, V. R. Devhate, M. B. Parhad	Quantification assay of Methoxsalen from bulk dosage form and its alkaline stress condition by UV spectroscopy	World journal of Pharmaceutical Research	Volume 5, issue 5, Page : 1207-1215	2016
3	Prof. A. W. Baitule	An overview on Technology Transfer	International Journal of Medipharma Research, 2395-423x	Vol. 2, No. 2 pp 159 - 171	2016
4	Prof. A. W. Baitule	A Plant Review : Momordica Charantia	International Journal of Medipharma Research, 2395-423x	Vol. 2, No. 2 pp 155 - 158	2016
5	K. K. Tapar, S. J. Ingale	Synthesis of Dopamine (D2) Antagonist	JChrDD., e-ISSN: 2249-6785	Vol. 07., issue 2 pp 63-71	2016
6	K. K. Tapar, S. J. Ingale	QSAR and Docking Studies on 1,2 – Benzisoxazole derivatives	Current research in pharmaceutical sciences	Vol. 06: (02) : pp 31-44	2016

Staff acted as resource persons/chairman in the conferences / workshop/guest lecture/Seminar outside the college

Sr.no.	Name of the Faculty	Programme / attended	Sponsor/ organizer	Date
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FACULTY INFORMATION AND CONTRIBUTIONS

1	Dr. S. D. Pande	worked as Jury for National level poster presentation competition	Vidyabharati Mahavidyalaya Amravati.	01 st & 2 nd Feb 2019.
2	Dr. K. K. Tapar	Acted as a chief guest for Research paper presentation	MSBTE-Mumbai & Govt. Polytechnic, Pharmacy Department- Amravati.	16 th Sep 2017
3	Dr. K. B. Gabhane	Capsule-The Inside Story	P.R. Pote institute of Pharmacy- Talegaon.	27 th Jan 2018
4	Dr. V. P. Wankhade	"Time Management and How to prepare for Exams"	P.R. Pote institute of Pharmacy- Talegaon.	27 th Jan 2018
5	Dr. K. B. Gabhane	Tablet-The Inside Story	IBSS college of Pharmacy-Amravati.	23th Feb 2018
6	Dr. K. B. Gabhane	Seven day staff development program at Government college of Pharmacy Amravati	DTE sponsored/Organized by Government college of Pharmacy, Amravati.	24 th Feb 2018
7	Dr. K. K. Tapar	Acted as a Chairman for Scientific Session at Two days International Conference on Recent Trends in Science & Technology	UGC & DST Sponsored international conference in association with SGBAU, Amravati and Innani Mahavidyalaya Karanja (MS).	22th & 23 rd March 2018

Faculty members awarded Ph.D (in assessment year i.e in last 3year)

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FACULTY INFORMATION AND CONTRIBUTIONS

Sr.no	Name of Faculty	year	Name of the University	Supervisor / Co-supervisor
1	Mr. K. B. Gabhane	Feb-2016	SGBAU, Amravati	Dr. K. K. Tapar
2	Mr. N. N. Bobade	Nov-2017	SGBAU, Amravati	Dr. S. D. Pande

5.7.2. Sponsored Research

(10)

Year of sanction	Project Title	Funding Agency	Amount and Duration	Funding amount (Cumulative during assessment years)	Name of the Investigator	Marks
Applied in 2016-17	Development & Formulation of Transdermal Drug Delivery System.	AICTE Under Research Promotion Scheme	3 Years	21,25,000	Dr. S.D. Pande	
Applied in 2016-17	Formulation & Evaluation of Controlled Release Gastro-Retentive In-Situ Gel.	AICTE Under Research Promotion Scheme	3 Years	23,50,000	Dr. K. K. Tapar	

5.7.3. Consultancy (from Industry)

(10)

Year of sanction	Project Title	Funding Agency	Amount and Duration	Funding amount (Cumulative during assessment years)	Name of the Investigator	Marks
2013-14	Conversion of Liquid protein in to solid form	Eskay Pharmaceuticals Pvt.Ltd. Mumbai.	1000.00 3120.00 980.00 2 Months	5100.00	Dr.K.K.Tapar & Mr.V.P.Wankhade	
2014-15	Batch manufacturing record (BMR)	Priest Pharmaceuticals, M.I.D.C., Amravati.	300.00 23,000.00 6 Months	23,300.00	Dr.K.K.Tapar & Dr.S.D.Pande	
2015-16	Method Development for combine	Ph.D. students of Amravati University,	2000.00 10 days	2000.00	Dr. M.D. Game & Mr. S.G. Jawarkar	

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FACULTY INFORMATION AND CONTRIBUTIONS

	dosage forms	Amravati.				
2016-17	Conversion of liquid herbal extract in to dry powder	P.G. students of Vidyabharati Mahavidyalaya, Amravati.	500.00 2 day	500.00	Dr.V.P.Wankhade	
2017-18	Compression of Silica tablet as semiconductor	P.G. students of Vidyabharati Mahavidyalaya, Amravati.	700.00 2 day	700.00	Dr.K.K.Tapar	
2018-19	Development of Mouth Dissolving Film Dosage Form	Zim Laboratories, Kalmeshwar Nagpur.	10000/-	10000/-	Dr. K.K. Tapar	
2018-19	Formulation and Development of antifungal ointment	Glacier Pharmaceuticals, MIDC, Amravati.	10000/-	10000/-	Dr. S D Pande	

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

Research Scholars at the College as per SGBAU– Full time

PhD thesis evaluated by Dr M.D.Game, Associate Professor

1	<p>Name of the candidate: It was masked</p> <p>Title of the thesis: Analytical Method Development and Validation of Some Drug Combinations</p> <p>University: Sumandeep Vidyapeeth ,Vadodara ,Gujarat Year: 2016</p>
2	<p>Nominated as Member of BOS in Pharmaceutical Sciences in Sant Gadge Baba Amravati University by Vice-chancellor</p>

PhD thesis evaluated by Dr S. D. Pande, Professor

1	<p>Name of the candidate: Mr. Santosh G. Shep</p> <p>Title of the thesis: Development & In vitro characterization of swellable Gastroretentive Drug Delivery System</p> <p>Title of the thesis: University: Bhagwant university, Ajmer, Rajasthan</p> <p>Year: 2017</p>
2	<p>Name of the candidate: Mr. Mufassir Ahmed Mushtaque Ahmed Momin</p> <p>Title of the thesis: Novel Drug Delivery System for Targeted Cancer Therapy</p> <p>Title of the thesis: Viva at Babasaheb Ambedkar Marathwada University Aurangabad in</p> <p>Year: 2019</p>

5.7.5. Development activities (5)

Name of Faculty	Year	Product development	Research laboratory	Instructional materials	Working models/ charts/ monograms
Dr. K.K.Tapar	CAY-2018-19	1	Research Lab	-	1
	CAYm1-2017-18	1	Research Lab	-	1
	CAYm2-2016-17	1	Research Lab	-	-
Dr.S.D.Pande	CAY-2018-19	01	Research Lab.	1	-
	CAYm1-2017-18	1	Research Lab	-	1
	CAYm2-2016-17	1	Research Lab	-	
Dr. V.P. Wankhade	CAY-2018-19	1	Research Lab	-	1
	CAYm1-2017-18	-	Research Lab.	1	-
	CAYm2-	1	Research Lab	-	-

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FACULTY INFORMATION AND CONTRIBUTIONS

	2016-17				
Mr. J. V. Vyas	CAY-2018-19	1	Research Lab	-	1
	CAYm1-2017-18	1	Research Lab	1	-
	CAYm2-2016-17	1	Research Lab	-	1
Dr. V. V. Paithankar	CAY-2018-19	1	Research Lab	1	-
	CAYm1-2017-18	1	Research Lab	-	1
	CAYm2-2016-17	1	Research Lab	-	-
Mrs. A.M. Wankhade	CAY-2018-19	1	Research Lab	1	-
	CAYm1-2017-18	1	Research Lab	-	1
	CAYm2-2016-17	1	Research Lab	-	-
Dr. M. D. Game	CAY-2018-19	1	Research Lab	1	-
	CAYm1-2017-18	1	Research Lab	-	1
	CAYm2-2016-17	1	Research Lab	-	-
Dr. K. B. Gabhane	CAY-2018-19	1	Research Lab	1	-
	CAYm1-2017-18	1	Research Lab	-	1
	CAYm2-2016-17	1	Research Lab	-	-

Mr. S. G. Jawarkar	CAY-2018-19	1	Research Lab	1	-
	CAYm1-2017-18	1	Research Lab	-	1
	CAYm2-2016-17	1	Research Lab	-	-
Dr. N. N. Bobade	CAY-2018-19	1	Research Lab	1	-
	CAYm1-2017-18	1	Research Lab	-	1
	CAYm2-2016-17	1	Research Lab	-	-

5.8. Faculty Performance Appraisal and Development System (FPADS) (20)

Faculty members registered and pursuing Ph.D.

Faculty of Higher Educational Institutions today has to perform a variety of tasks pertaining to diverse roles. In addition to instructions, 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 solutions of real life problems. Another role is related to the shouldering of administrative responsibilities to co-operate 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 an individual faculty to institutional performance. The assessment is based on

- A well defined system instituted for all the assessment years
- Its implementation and effectiveness

Sr. no.	Name of the faculty	Supervisor / Co-	Name of the	Status
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		supervisor	University	
1	Mr. S. C. Atram	Dr. S.D. Pande	SGBAU, Amravati	Perusing
2	Mr. S. G. Jawarkar	Dr. M. D. Game	SGBAU, Amravati	Perusing
3	Mr. A. A. Deshmukh	Dr. S. S. Deshpande	SGBAU, Amravati	Perusing
4	Miss. M. P. Jadhav	Dr. M. D. Game	SGBAU, Amravati	Perusing
5	Mrs. A. M. Wankhade	Dr. K.K. Tapar	SGBAU, Amravati	Perusing
6	Mr. A. W. Baitule	Dr. K.K. Tapar	SGBAU, Amravati	Perusing
7	Mr. J. V. Vyas	Dr. S.D. Pande	SGBAU, Amravati	Perusing

Incentives: Teaching staff are sponsored for attending International and National conferences such as IPC, APTI, National conventions, National and International workshops. The staff regularly utilizes the opportunities. Ladies staff is allowed to have Maternity leave (3 months). Staff pursuing Ph.D. is allowed to avail on-duty leave for carrying out research works outside the college.

Professional advancement: Teaching staffs supported with chemicals, infrastructure, etc., to pursue their Ph.D dissertation work. Seven (07) teaching staff has registered for Ph.D. program. Performance based Self-Appraisal takes into account a complete evaluation. The faculty is assessed annually by the Self-Appraisal method, Peer Evaluation. The analysis is done based on the following parameters: Subject wise Results, number of seminars, conferences and QIPs attended, contribution to the college and community, books, papers and special awards is however, given top priority and this is duly communicated at personal level by the Principal to the teacher. A teacher who secures more than 90% results in his/her subject is motivated by being presented with a Certificate of Appreciation. 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,

various national and international conferences, sponsored registration and workshops is encouraged. This appraisal system has given way for further enhancement and up-gradation of their skills and knowledge.

Excellent Subject Results in University Examination

Sr. no	Year	Number of faculty Appreciated by College
1	2018-19	6
2	2017-18	2
3	2016-17	3

Award to Faculty for Research Publication and presentation of Research paper in International /National conference

Sr. no	Year	Number of faculty Appreciated by College
1	2018-19	6
2	2017-18	6
3	2016-17	2

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 (1)

☐ Minimum 50 hours interaction in a year will result in 1 mark for that year; 1 marks x 3 years = 3 marks.

Visiting faculty from industry – 03

Visiting faculty from university – 01

Visiting faculty from government (Regulatory Affair)

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FACULTY INFORMATION AND CONTRIBUTIONS

CAY 2018-19

Sr. No	Name of the adjunct faculty	Parent organization	Subject	Duration and number of classes	Target audience
1	Prof. R. S. Kale	Asst. Prof. Vidyabharati Mahavidyalya, Amravati.	Biostatistics/ Mathematics	2018 45 hours	B.Pharm-Ist sem
2	Miss. Asra Mirza	Freelance Trainer (Soft Skills & Corporate Governance)	Communication Skill	2018 45 hours	B.Pharm-Ist sem
3	Mr.R.B. Sasane	Asst. Prof. at Vidyabharati Mahavidyalya, Amravati.	Communication Skill	2018 45 hours	B.Pharm-VIII th sem
4	Prof. H.S. Hole	Asst. Prof. HVPM, Engg & Technology Institute- Amravati.	Computer Application	2018 45 hours	B.Pharm-IIInd sem

CAY m1 2017-18

Sr. No	Name of the adjunct faculty	Parent organization	Subject	Duration and number of classes	Target audience
1	Prof. R. S. Kale	Asst. Prof. Vidyabharati Mahavidyalya, Amravati.	Biostatistics/ Mathematics	2017 45 hours	B.Pharm-Ist sem
2	Miss. Asra Mirza	Freelance Trainer (Soft Skills & Corporate Governance)	Communication Skill	2017 45 hours	B.Pharm-Ist sem
3	Prof. H.S. Hole	Asst. Prof. HVPM, Engg & Technology Institute-Amravati	Computer Application	2017 45 hours	B.Pharm-IVth sem
4	Miss. Asra Mirza	Freelance Trainer	Communication	2017	B.Pharm-

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FACULTY INFORMATION AND CONTRIBUTIONS

		(Soft Skills & Corporate Governance)	Skill	45 hours	VIIIth sem
5	Prof. H.S. Hole	Asst. Prof. HVPM, Engg & Technology Institute-Amravati.	Computer Application	2017 45 hours	B.Pharm-IIInd sem

CAY m2 2016-17

Sr. No	Name of the adjunct faculty	Parent organization	Subject	Duration and number of classes	Target audience
1	Prof. R. S. Kale	Asst. Prof. Vidyabharati Mahavidyalaya-Amravati.	Remedial Mathematics	2016 45 hours	B.Pharm-Ist sem
2	Prof. R. S. Kale	Asst. Prof. Vidyabharati Mahavidyalaya-Amravati.	Biosttstics Mathematics	2016 45 hours	B.Pharm-IIInd sem
3	Prof. H.S. Hole	Asst. Prof. HVPM, Engg & Technology Institute-Amravati.	Computer Application	2016 45 hours	B.Pharm-IVth sem
4	Dr. Savita Ingale	Freelance Trainer (Soft Skills & Corporate Governance)	Communication Skill	2016 45 hours	B.Pharm-VIIIth sem

CRITERION

6

FACILITIES AND TECHNICAL SUPPORT

CRITERION 6	FACILITIES AND TECHNICAL SUPPORT	120
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6. Facilities (120)

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

(Facilities for conducting theory classes)

The institute has adequate Facilities for conducting theory classes. For the B. Pharmacy course, for each year, one classroom is separately identified; total 04 class rooms are available. Each classroom can accommodate a minimum of 60 students. Adequate number of tube lights, fans, black board and white projection screen are provided. The above amenities ensure proper ambience for teaching-learning process. As the strength of in-take of students is 60, only one section (division) is operated. Classrooms are provided with good ventilation. Theory sessional examinations are conducted in the classrooms. Mentoring to the students is also done in the classrooms/tutorial rooms.

Tutorial room is used for handling separately for mathematics and biology class work. In addition, discussions with students who are weaker in the subject are also handled. The seminar hall is provided separately for conducting guest lectures. The auditorium hall can accommodate all the B. Pharmacy students (240) at a time, exclusively for conducting guest lectures. The details of the classrooms along with the facilities available are provided in the table below,

Class/ Tutorial	Room No.	Capacity (Per Room)	Area (Sq. M)	Rooms Equipped with
Class Room -1	S-01	75	75	Desks, chairs, teachers table, black board and Wi-Fi
Class Room -2	S-02	75	75	Desks, chairs, teachers table, black board and Wi-Fi
Class Room -3	S-04	75	75	Desks, chairs, teachers table, black board and Wi-Fi

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FACILITIES AND TECHNICAL SUPPORT

Class Room -4	S-05	75	75	ICT, Desks, chairs, teachers table, black board and Wi-Fi
Class Room -5	S-10	75	75	ICT, Desks, chairs, teachers table, black board and Wi-Fi
Class Room -06	S-11	40	45	Desks, chairs, teachers table, black board and Wi-Fi
Class Room -07	S-13	40	45	Desks, chairs, teachers table, black board and Wi-Fi
Class Room -08	S-14	60	45	ICT, Desks, chairs, teachers table, black board and Wi-Fi
Seminar Hall	F-06	50	75	State-of-art infrastructure for teaching, black board, ICT screen with sound system, chairs, podium and Wi-Fi
Conference Hall	G-07	80	100	Virtual board, LCD, State-of-art infrastructure, chairs, toilets, electronic podium and Wi-Fi.
Auditorium	S-07	350	295	LCD, State - of - art infrastructure , chairs, podium , change room , toilets and Wi-Fi

6.2. Faculty rooms

(10)

(Conducive sitting place)

The faculty rooms are available in adequate number, and each faculty is provided with open cabin. The cabins are provided with necessary infrastructure. Counseling of the students is done in the faculty rooms and personal doubts are cleared. The details of the faculty rooms along with the facilities available are given in the table below.

Faculty Rooms	Room No.	Usage	Area (Sq. M)	Shared/ Exclusive	Number for Seating Place in Each Room
Principal's Chamber	G-01	Principal	32	Exclusive	01
Faculty Rooms	F-21	Faculties	75	Shared	16

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FACILITIES AND TECHNICAL SUPPORT

HOD Pharmaceutics	F-11	HOD- (Pharmaceutics)	10	Exclusive	01
HOD (Pharmaceutical Chemistry)	G-22	HOD - (Pharmaceutical Chemistry)	10	Exclusive	01
HOD (Pharmacology)	G-26	HOD- (Pharmacology)	10	Exclusive	01
HOD (Pharmacognosy)	G-09	HOD- (Pharmacognosy)	10	Exclusive	01

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

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

The facilities such as gas, water, drainage, fire extinguishers, first aid boxes, fuming cupboards(exclusively in pharmaceutical chemistry laboratories), exhaust fans, etc., are available in each laboratory. The B. Pharmacy students are allowed to use PG laboratory facilities for sophisticated instruments like FT-IR, UV spectrophotometer, HPLC etc. The laboratory staffs works for the students. In all laboratories, excellent electrical and plumbing facilities are provided adequately. Laboratories have un-interrupted power supply using solar systems and generator in campus. The number of experiments conducted for each subject in the laboratory is followed as per the Sant Gadge Baba Amravati University, Amravati syllabus. The list of laboratories and the contents therein are tabulated below.

Lab Description	Room No.	Batch Size	Area (Sq. M)	Availability of lab manuals	Quality of Instruments	Safety measures
Pharmaceutics Lab	F-12	25	100	Available	Excellent	First aid
Pharmaceutics Lab	F-13	25	100	Available	Excellent	First aid
Pharmaceutics Preparation Room	F-14	NA	10	NA	NA	First aid

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FACILITIES AND TECHNICAL SUPPORT

Pharmacy practice and Microbiology Lab	F-18	25	75	Available	Excellent	First aid
Pharmacy practice and Microbiology Preparation Room	F-19	NA	10	NA	NA	First aid
Aseptic Room	F-20	NA	25	NA	Excellent	First aid
Pharmaceutical Chemistry Lab	G-17	25	100	Available	Excellent	First aid
Pharmaceutical Chemistry Lab Preparation Room	G-18	NA	10	NA	NA	First aid
Pharmaceutical Chemistry Lab	G-20	25	100	Available	Excellent	First aid
Pharmaceutical Chemistry Lab Preparation Room	G-21	NA	10	NA	NA	First aid
Pharmaceutical Analysis Lab	G-10	25	100	Available	Excellent	First aid
Pharmaceutical Analysis Lab Preparation room	G-11	NA	10	NA	NA	First aid
Instrument Room	G-12	NA	35	Available	Excellent	First aid
APHE and Pharmacognosy lab	F-08	25	100	Available	Excellent	First aid
APHE and Pharmacognosy Preparation Room	F-09	NA	10	NA	Excellent	First aid
Pharmacology Lab	G-27	25	100	Available	Excellent	First aid
Pharmacology Lab Preparation Room	G-28	NA	10	NA	Excellent	First aid
Pharmacognosy Lab	G-13	25	90	Available	Excellent	First aid
Pharmacognosy Lab Preparation Room	G-14	NA	10	NA	Excellent	First aid

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Computer & Language Lab	F-05	25	75	Available	Excellent	First aid
Central Stores	G-16	NA	35	NA	NA	First aid
Animal House	G-29	NA	75	Available	NA	First aid
Pilot Plant	G-25	NA	130	NA	Excellent	First aid
Maintenance Room	F-16	NA	10	NA	NA	First aid
Balance Room	G-19	NA	20	NA	Excellent	First aid

Note: Give a separate table for Instrument room and Machine room listing all the instruments/equipment present with their make and model, existence of SOPs and Log Books for individual equipment.

The list of equipment available in each laboratory specialization-wise is given below.

INSTRUMENT ROOM	
Name of Equipment	Make & Model
Flourimeter Digital With 05 No Glass Test tube	Make- Elico Model No- FGCL053F
Conductivity Meter Digital With Cell Type CCo3	Make- Elico Model No FGCL053F
Spectrophotometer UV- visible Pc based unit. with software	Make –Shimadzu Model- UV-1601 PC
Conductivity meter	Digital model, cystronic make
Photo-fluorometer	Make- Systronic Model- 151
Nephlo turbidity meter digital	Make – Systronics Model no- 132
KBR Die. 13 mm	Make – Toshin
Pellet Holder	Make & Model- Toshin
Dry Box for Storage	Make- Toshin Model- Acalic Faber
FTIR Spectrophotometer with Accessories	Make- Shimadzu Model- FTIR 8400s
Oven hot Air Temp up to 250 C	Make & Model – Shital
Vacuum pump oil free for H.P.L.C Solvent	Make- PCI analytical Model- P C I -15
Fire Extinguisher	Make & Model- ABC
Colorimeter	Make- Systronic

	Model- Photoelectric Digital
Magnetic Stirrer with Hot Plate	Make & Model- REMI 2 MLH Complet
Centrifuge machine	Model- 1x15 ml Tubes
Electronic Balance	Make – Citizen Model- CTG302
Conductivity Meter Pocket	Make – Equip Tronic Model- pocket
Digital Conductivity Meter	Model- EQ-660B
“Wensar” Digital Electronic Balance	Model-ECB-300
“Equiptronics” Digital pH meter	Model-EQ-610
“El” Digital Tele-thermometer	Model-461
MACHINE ROOM	
Centrifuge machine	Model : TC-450
Oven hot Air	Make – Shital Model- SST-12
Hot plate Round 4” dia 500 w	Make & Model – Shital
Oven Hot air Thermo stat controlled	Make – Shital Model-SSI-12(45x45x45 cms)
Oven (Labhot Air) Thermostatic controlled	Make – Shital Model-SSI-12 , Thermostatic controlled
Tablet Dissolution Tester	Make – Electrolab Model- TDT-06PL
Friability Test App. with Double Drum	Make- Rajesh Chm Model- Digital RPM code: 1015 C
Tablet Disintegration Test machine	Make-kamal Industries. Model- Two basket Assembly
Tablet Friability Test machine	Make-kamal Industries Model-Double drum
Bulk Density Test Apparatus	Make-Kamal Industries Model- manual
Strip leakage Apparatus	Make-Kamal Industries
Electronic Weighing Balance	Make & Model- Ohaus Model-V31x3, cap: 3000gm, Reda-01g.
Tablet Hardness Tester	Model- Monosanto Type
Tablet Punching Machine	Model- hand Operated
Capsule Filling Machine	Model- Hand Operated 100 holes
Friability Test App.	Sonalee Traders Amravati.
Table Disintegration Test	Sonalee Traders Amravati.
Blender	Sonalee Traders Amravati.
Ball Mill	Sonalee Traders Amravati.
Distilled Water Still Plant	Model- SSI-14
Centrifuge	Make & Model – Remi
Tincture press	The Berar Mechanical Work
Table Counting Device	Neneel Enterprises
Collapsible Tube Filling machine	Model- Hand operated
Tube Crimping & Sealing Machine	Neneel Enterprises

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Demineraliser two bed	Make & Model- Indian CA 20 V
Tablet Coating Machine	Ankit Engineering Corporation
Veego Tablet Dissolution Test Apparatus	Model-VDAT
Disintegrating test Apparatus (Double Basket)	Make & Model- Compbell
Hardness Tester	Make & Model- Monosato
Tablet Counter Device	Make & Model- Aluminium
Tablet punching Machine	Model- Single Stroke Hand Operated
Ampoule Clarity Test Apparatus Complete	Hemco Pharma Kalbadevi Road Bombay
Dispensing Balance	Model- 50 gm
Collapsible Tube Crimping Sealing Machine	Rajesh Chemical Co. Bombay
Tablet Hardness Tester	Make & Model- Pfizer Model- Physer type with dial 20 PSI SSI -62(A)
Brookfield Viscometer	Make-Labman, Model-LMDV - 200
Rotary Evaporator	Make- Equitron, Model-Evator EV-11

PILOT PLANT

Cadmach single stroke Tablet machine	Make - Cadmach machinery Model – SSF3
Rotary tablet machine (10stn)	
Coating pan 12” inc	Make & Model- Farma Fab
Fluid Bed Dryer (5kg)	Make & Model-Farma fab
Oscillating Granulator (lab)	Make & Model – Farma Fab
Homogenizer C Stand	Make & Model –Farma Fab
Turn Table	Make & Model-Farma Fab
S.S. Storage Tank (25 lits)	Make & Model- Farma Fab
Slat Chain Conveyer P.P Belt 6”	Make & Model- Farma Fab
Polishing pan 12 “	Make & Model- Farma Fab
Double Cone Bender 10 kg	Make & Model- Farma Fab
Blender	Mass mixer, paddle block capacity 5 Kg
Tray Dryer (6 Tray)	Make & Model-Farma Fab
Multi Mill	Make & Model – Farma Fab Model- S.S. 316 (lab)
Planetary Mixer 05 lit	Make & Model- Farma Fab
Vibro Sifter 12 “	Make & Model- Pharma Fab
Two head Bottle Washing and Brushing	Make & Model- Farma Fab
Voluntary Filling Machine	Make & Model-Farma Fab
Filter press	Make & Model- Farma Fab
Transfer Pump	Make & Model- Farm Fab
Stirrer C Stand	Make & Model-Farm Fab

S.S. Vessels (10 LITS)	MAKE & MODEL-Farm Fab
P.P. Cap. Sealing Machine	Make & Model- Pharma Fab
Double Cone Blender 5kg	Make & Model- Kamal Ind.
Capsule filling machine	Make & Model- Kamal Ind. Model- 300 capsule / operation automatic
Capsule loading machine	Make & Model- Kamal Ind. Model- 300 capsule / operation automatic
Dehumidifier	Make & Model- Kamal Ind. Model-Refrigeration type (1 tone)
Electronic Balance	Make & Model – Citizen Model- CTG302

6.4. Drug Museum**(5)**

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

The pharmaceutical museum contained the show-casing of products made by the students, solid dosage forms (tablets and capsules), different types of packing (strip / blister), granules, marketed products, injectable formulations, infusion bottles, liquid preparations for humans, aerosols, cosmetic preparations, natural crude extracts and semisolid ointments. The museum is designed with special care to highlight the displayed products and is located in the ground floor, facing to the entrance gate, which becomes visible to everyone while entering. The museum is designed to provide separate sections for various categories of products. Further, electrical points are provided to illuminate cabinet. The list of products displayed in the drug museum are given in the below table.

Anatomy - Physiology Health Education	
Sr. No	Name of Items
1	Human Kidney
2	Human Brain
3	Human Eye
4	Human Liver

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5	Human Lung
6	Human Intestine
7	Human Spleen
8	Human Stomach
9	Human Embryo
11	Human Teeth
Pharmacognosy	
1	Name of Crudes Drugs
2	Smilex
3	Nutmeg
4	Kurchi
5	Valerian
6	Capsicum
7	Fennel
8	Acacia
9	Ferm
10	Celery
11	Lycopodium
12	Jatamansi
13	Aconite
14	Purging
15	Pinus Mole
16	Bahera
17	Fenugreek

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18	Clove
19	Brahmi
20	Ashoka
21	Caraway
22	Linseed
23	Nux Vomica
24	Bael Fruit
Pharmaceutical Marketed Products	
1. Tablets	
1	Uncoated
2	Film Coated
3	Sugar Coated
4	Enteric Coated
5	Sustained Release
6	Reconstitute Powder
7	ORS Preparation
8	Effervescence Granules
2. Capsules	
1	Hard Gelatine
2	Soft Gelatine
3. Liquid Dosage Form	
1	Nasal Drop
2	Eye Drop
3	Ear Drop

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4	Syrup
5	Liniment
6	Lotion
7	Elixer
8	Emulsion
9	Suspension
4. Semisolid Dosage Form	
1	Medicated Creams
2	Paste
3	Suppositories
4	Pessaries
5	Gel
5. Parenterals Products	
1	Small Volume Parenterals
2	Large Volume Parenterals
Cosmeceutical Product	
1. Hair Cosmetics	
1	Shampoo
2	Dye
3	Conditioner
4	Eye Liner
5	Mascara
2. Skin Cosmetics	
1	Talcum Powder

2	Compact Powder
3	Lipstick
4	Nail Polish
5	Nail Polish Remover
3. Spray And Deodorant	
1	Aerosol
2	Sticks

6.5 Medicinal Plant Garden**(5)**

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

Area : The area of the medicinal plant garden is 2500 Sq.ft in which various medicinal plants are maintained.

Demarcation : In our campus

Arrangement : Permanent

Adequacy of the plants: Adequate

Overall look and maintenance of the medicinal plant garden

- Total area of the garden 2500Sq. ft.
- The boundary of the garden properly demarcated.
- The medicinal plant garden is permanent and is provided with all time maintenance facility. A permanent gardener takes care about watering and other requirements.
- The medicinal plant garden has green house facility. The cultivation of medicinal plants is proper and kept based on the type of plants. Herbs, xerophytes and shrubs are provided with different locations.
- The plant density of the medicinal plants is maintained properly.

Types, varieties and number of plants, available in the garden

The Vidyabharati College of Pharmacy, Amravati is maintaining the medicinal plant garden which includes several types of herbs, xerophytes and shrubs. The garden is located in back side of the college. The medicinal garden is managed by the faculty member (Prof A. A. Deshmukh) and two students from each class. The house keeping people, a gardener is taking care for water pouring, cleaning and providing the pesticides from time to time. The medicinal plants maintained in our garden are listed in the table given below. The plantation has made appropriately under the shade of demarcated areas (shadows of tree). All the plants are provided with name plates contains vernacular and botanical names.

Sr. No	Common Name	Biological Source
01	Gavti Chaha	Cymbopogon Flexuosus
02	Sarpghandha	Rauwolfia Serpentina
03	Samodrashok	Argyreia Speciosa
04	Arjuna	Terminalia Arjuna
05	Bael	Aegle Marmelos
06	Shendri	Bixa Orellana
06	Guggule	Commiphora Mukul
07	Karanj	Pongamia Pinnata
08	Pangra	Erythrina Alba
09	Putranjiva	Putranjiva Roxburghii
10	Ratangunj	Adenanthera Pavonina
11	Umber	Ficus Glomerata
12	Behada	Terminalia Bellerica
13	Hirda	Terminalia Chebula

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14	Curry Patta	Murraya Koenigii
15	Vasaka	Adhatoda Vasica
16	Ashwagandha	Withania Somniferra
17	Adrak	Zingiber Officinale
18	Chitrak	Plambago Zeylanica
19	Lalgunja	Abrus Precatorus
20	Kalmegh	Adrographis Paniculata
21	Aloe Vera	Aloe Barbedensis
22	Paan Owa	Coleus Amboinicus
23	Sagargoti	Caesalpinia Bonducella
24	Shatavari	Asparagus Racemosus
25	Krushna Tulas	Ocimum Sanctum
26	Kapur Tulas	Ocimum Kilimandscharicum
27	Haldi	Curcuma Longa
28	Kapur Kacheri	Kaempferia Galanga
29	Kambarmodi	Vitex Negundo
30	Touch Me Not	Mimosa Pudica

6.6. Non Teaching Support

(20)

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)

For fulfilment of above criterion college has sufficient technical staff as per pharmacy council of India norms.

Sr No	Name Of Technical Staff	Designation	Date of Joining	Qualification		Other Technical Skills Gained	Responsibility
				At Joining	Now		
1	Mr. D. P. Vyas	Lab Tech.	10/01/2001	D.Pharm	D.Pharm	-	1.Preparation of required reagents. 2.Maintenance of equipments and instruments. 3.Maintain stock registers. 4.Keep the lab neat and clean
2	Mr. Virendra S. Thakur	Lab Tech.	09/01/1999	B. Sc	B. Sc	-	1. Preparation of required reagents. 2. Maintenance of equipments and instruments. 3. Maintain stock registers. 4. Keep the lab neat and clean.

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

For skill up gradation and professional advancement of the Non- Teaching staff, the college conducted various seminars, demonstrations and training sessions as follows:

Sr. No	Year	Date	Title
1	2018-19	15-July-2018	Demonstration and training for Laboratory reagent preparation.
		13-Dec-2018	Workshop on maintenance of record.
2	2017-18	23-Sep-2017	Workshop On Laboratory Safety
		15-Jan-2018	Workshop on fire hazards
3	2016-17	13-Jun-2016	Workshop on handling of analytical instruments
		19-Dec-2016	Demonstration and training for handling , maintenance of microscope

CRITERION 7	CONTINUOUS IMPROVEMENT	75
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7. Continuous Improvement (75)

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

Govt. of Maharashtra State conducts MHCET every year for 10+2 students. Students get admission into B. Pharmacy course based on MHCET rank, admits 60 students as per PCI, AICTE, Govt. of Maharashtra State and SGBAU Amravati norms and regulations. Vidyabharti College of Pharmacy (VBCP) is going for the first cycle of NBA accreditation. Our institute has renowned faculty, very Good infrastructure and our college gets the bright students. Moreover our faculty strives hard in teaching the students by various approaches such as regular classes with audio- visual aids, tutorial class, remedial classes, mentoring system and other co- and extra-curricular activities. All these collective efforts has lead to the improvement of success index year by year, as depicted in the following table

Item	LYG (2017-18)	LYGm1 (2016-17)	LYGm2 (2015-2016)
Number of students admitted in the corresponding First Year with lateral entry second year students	86	81	85
Number of students who have graduated without backlogs in the stipulated period	19	17	14
Success index (SI)	0.22	0.20	0.16

$$\text{Average SI} = 0.19 \quad \text{Success rate} = 0.19 \times 30 = 5.7$$

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

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

Items	LYG (2017-18)	LYGm1 (2016-17)	LYGm2 (2015-2016)
Placement index (From 4.7)	0.86	0.84	0.76

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

In addition to the information provided above, our faculty educates students in a well planned manner by organizing guest lectures, workshops, seminars, industry- institute interaction, Students and staff are encouraged to attend National and International conferences, personality development programs and summer projects. The following table provides the outcome of improvement in academic performance of students at VBCP.

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

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

Academic Performance	CAYm1 (2017-18)	CAYm2 (2016-17)	CAYm3 (2015-16)
Mean of CGPA or Mean Percentage of all successful students (X)	65.88%	65.36%	65.75%
Total no. of successful students (Y)	57	46	46
Total no. of students appeared in the examination (Z)	58	47	55
API = $x * (Y/Z)$	6.46	6.39	5.49

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 Biology /Mathematics in 12th Standard and percentage marks of the lateral entry students.

Items		CAY (2018-2019)	CAYm1 (2017-2018)	CAYm2 (2016-2017)
National Level Entrance Examination	No. of students admitted	Nil	Nil	Nil
	Opening Score / Rank	---	-----	----
	Closing Score / Rank	-----	-----	-----
State / University / Level Entrance examination Others (Name of the Entrance Examination)	No. of students admitted	60	57	56
	Opening Score / Rank			
	MHCET	1310	1517	1287
	Closing Score / Rank			
	MHCET	36651	37529	45059
Name of the Entrance Examination For Lateral Entry or Lateral Entry details	No. of students admitted	Nil	Nil	Nil
	Opening Score / Rank	---	-----	----
	Closing Score / Rank	----	-----	-----
Average CBSE / Any other Board Result of admitted students (Physics, Chemistry & Maths)		60.31	55.99	58.39

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, Academic 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 – CAYm1 (2017-2018)

Pos	Target Level	Attainment Level	Observations
PO1: Pharmacy Knowledge: Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioral, social, and administrative pharmacy sciences; and manufacturing practices.			
PO1	2.00	2.53	Very Good
C102 Biochemistry I (Theory)			
PO2: Planning Abilities: Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.			
PO2	2.00	2.53	Very Good
C105 Pharma. Engg. I (Theory)			
PO3: Problem analysis: Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.			
PO3	2.00	2.43	Good
C103 Anatomy and Physiology I (Theory)			
PO4: Modern tool usage: Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.			
PO4	2.00	2.44	Good
C110 Pharma. Engg. I (Practical)			
PO5: 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.			

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CONTINUOUS IMPROVEMENT

PO5	2.00	2.59	Very Good
C114 Pharma. Engg. II (Theory)			
PO6: Professional Identity: Understand, analyses and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees).			
PO6	2.00	2.62	Very Good
C309 Pharma. Org. Chemistry III (Practical)			
PO7: Pharmaceutical Ethics: Honor 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.			
PO7	2.00	2.63	Very Good
C412 Pharma. Analysis III (Practical)			
PO8: Communication: Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions.			
PO8	2.00	2.64	Very Good
C216 Pharmacology I (Theory)			
PO9: The Pharmacist and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety and legal issues and the consequent responsibilities relevant to the professional pharmacy practice.			
PO9	2.00	2.62	Very Good
C210 Hospital and Community pharmacy (Practical)			
PO10: Environment and sustainability: Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			
PO10	2.00	2.67	Very Good
C302 Medicinal Chemistry I (Theory)			

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

PO11

2.00

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POs Attainment Levels and Actions for improvement – CAYm2 (2016-2017)

Pos	Target Level	Attainment Level	Observations
PO1: Pharmacy Knowledge: Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioral, social, and administrative pharmacy sciences; and manufacturing practices.			
PO1	2.00	2.41	Good
C102 Biochemistry I (Theory)			
PO2: Planning Abilities: Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.			
PO2	2.00	2.42	Good
C111 Pharmaceutics II (Theory)			
PO3: Problem analysis: Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.			
PO3	2.00	2.33	Good
C103 Anatomy and Physiology I (Theory)			
PO4: Modern tool usage: Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.			
PO4	2.00	2.32	Good
C104 Pharmacognosy I (Theory)			

PO5: 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.

PO5	2.00	2.50	Very Good
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C117 Pharmaceutics II (Practical)

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

PO6	2.00	2.49	Good
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C216 Pharmacology I (Theory)

PO7: Pharmaceutical Ethics: Honor 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.

PO7	2.00	2.54	Very Good
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C210 Hospital and Community Pharmacy (Practical)

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

PO8	2.00	2.51	Very Good
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C212 Physical Pharmaceutics II (Theory)

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

PO9	2.00	2.53	Very Good
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C206 Pathophysiology (Theory)

PO10: Environment and sustainability: Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the

knowledge of, and need for sustainable development.

PO10	2.00	2.58	Very Good
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C204 Hospital and Community (Theory)

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

PO11	2.00	-	-
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POs Attainment Levels and Actions for improvement – CAYm3 (2015-2016)

Pos	Target Level	Attainment Level	Observations
PO1: Pharmacy Knowledge: Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioral, social, and administrative pharmacy sciences; and manufacturing practices.			
PO1	2.00	2.36	Good
C105 Pharma. Engg. (Theory)			
PO2: Planning Abilities: Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.			
PO2	2.00	2.37	Good
C116 Mathematics			
PO3: Problem analysis: Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.			
PO3	2.00	2.30	Good
C103 Anatomy and Physiology I (Theory)			
PO4: Modern tool usage: Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the			

limitations.

PO4	2.00	2.34	Good
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C104 Pharmacognosy I (Theory)

PO5: 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.

PO5	2.00	2.39	Good
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C120 Pharma. Engg. II (Practical)

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

PO6	2.00	2.37	Good
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C302 Medicinal Chemistry I (Theory)

PO7: Pharmaceutical Ethics: Honor 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.

PO7	2.00	2.33	Good
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C301 Pharmaceutics III (Theory)

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

PO8	2.00	2.37	Good
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C406 Pharmaceutical Jurisprudence

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.

CRITERION

7

CONTINUOUS IMPROVEMENT

PO9	2.00	2.28	Good
C306 Biopharmaceutics I			
PO10: Environment and sustainability: Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			
PO10	2.00	2.26	Good
C303 Pharmaceutical Organic Chemistry III (Theory)			
PO11:Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self-assess and use feedback effectively from others to identify learning needs and to satisfy these needs on an ongoing basis.			
PO11	2.00	---	---

CRITERION 8

STUDENT SUPPORT SYSTEMS

CRITERION	STUDENT SUPPORT SYSTEMS	50
8		

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

(Details of the mentoring system that has been developed for the students for various purposes and also states the efficacy of such system)

- Type of mentoring:
- Professional guidance / career advancement / course work specific / laboratory specific / all-round development
- Number of faculty mentors: 17
- Number of students per mentor : 20
- Frequency of meeting: weekly

The class teachers are appointed for the first to final year classes. The mentoring team consists of 17 teachers. Each faculty member is assigned a fixed number of students, right at the time of their joining of the program .i.e. approximately 20 students per mentor.

The faculty conducts periodical meeting with students in order to evaluate their academic performance and proper orientation towards the program, as well as guide them to rectify any short comings and to solve any problems.

Following information about students is collected by individual mentors and a record is maintained.

- Students Personal Information
- Previous Record / Type of admission
- Academic Performance
- Scholarships Received
- Co-Curricular and Extra-Curricular activities.

The mentors meet the students periodically and monitor their performance and their activities. Parent-Teacher meeting is held once in each year to brief the progress of their wards to their parents. This process has improved student academic performance, attendance and participation in co-curricular and extra-curricular activities.

Academic Mentoring at VBCP

- **Exploring options and choosing a major professional path :**

One of the great benefits of a liberal arts education is that students don't have to know what they want to study when they begin their first year.

- **Planning with a postgraduate career in mind:**

Most students with the academic credentials of those admitted to VBCP will continue with their education beyond the undergraduate level. Students who have a particular graduate degree in mind are encouraged to investigate the expectations and requirements of a handful of the top graduate programs.

- **Help along the way:**

Academic mentoring is designed to help students make the most of the many options associated with their academic experience at VBCP. Students will have many opportunities to connect with their academic mentors at various points as they think through the plentiful options at VBCP.

MENTORING PROCESS

Fifteen to Twenty students in the section are assigned to one faculty member as a Mentor and entire section is being supervised by Head Counselor. Record is maintained for each student with details as per proforma given to Mentor. The Mentor meets the students periodically and monitor their performance, activities and guide them. Occasionally meetings with parents are conducted based on requirements.

Types of Mentoring

- Academics
- Professional guidance
- Carrier advancement

- Course work
- Personal & Psychosocial guidance

A weekly counseling meeting is organized & problems faced by students are recorded & it is then resolved by the Counselor & if not then it is forwarded to Academic Head & Head of Institution.

Outcome of Mentoring System:

We observe that many students hesitate to share their problems or difficulties in class or in front of other students, due to mentoring system they share problems and ask for help on the same. Due to mentoring system students feel positive about college environment, and faculties. This attracts them towards regular classes and improvement in attendance. Moreover students are encouraged to appear for competitive exams like GPAT for M. Pharm. & CET for MBA courses and some of them pursue for higher studies.

8.2 Feedback analysis and reward / corrective measures taken, if any (10)

Feedback collected for all courses: YES/NO Specify the feedback collection process: Percentage of students who participated: Specify the feedback analysis process: Basis of reward / corrective measures, if any: Number of corrective actions taken in the 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 for each PO)

- Feedback collected for B.Pharm : YES
- Specify the feedback collection process: It is mentioned in method followed for student feedback collection.
- Percentage of students who participated: 60-70%
- Specify the feedback analysis process: It is mentioned in feedback analysis process

- Basis of reward/ corrective measures, if any: It is mentioned in reward / corrective measures
- Number of corrective actions taken in the last three years: 07

Method Followed For Students' Feedback Collection**Method followed for collection of feedback**

- Students' feedback format was devised after a number of discussions with the faculty and undergoes modifications as and when required.
- All students of each class are given an opportunity to express their opinion with regards to effectiveness in teaching by a teacher, which are detailed in the feedback format.
- There are always possibilities of certain students developing prejudices against a teacher if he/ she is a strict disciplinarian. This may lead to a negative impression about the teacher concerned. This factor is taken into consideration while analysing the students' feedback.
- As a corrective measure against such prejudices, 10% of worst opinions are not considered while analysing the feedback.
- By and large this system has been functioning well; teachers are encouraged by giving letter of appreciation.
- Students are also encouraged to share their views and suggestion with the mentor to whom they are assigned.

Design of proforma and process of feedback evaluation

- This is taken at the end of each semester in the questionnaire format.
- The feedback is analysed and a report is generated for each faculty for every subject.
- However, the feedback is not shared with the teachers until the beginning of the following semester.
- As a corrective measure against possible prejudices, 10% of worst opinions are not considered while analysing the feedback.

CRITERION

8

STUDENT SUPPORT SYSTEMS

Sr. No	Description	Remarks
1	Who collects the feedback?	Feedback committee is identified for collecting feedback.
2	Number of feedback Items	10
3	Number of feedback levels	5
4	Space for descriptive feedback/suggestion	YES
5	Consistency check	YES
6	Performance/attendance profile	YES
7	Frequency of feedback collection	Once in a semester
8	Feedback collection	Hard-copy
9	Percentage of students participating	60-70%

Feedback analysis process

Sr. No	Description	Remarks
1	Is this done manually?	YES, hard copy format
2	What metrics are calculated?	Teaching attitude, attention to learning process.
3	What is inferred from the metrics?	Strengths & weakness of a teaching process.
4	How are the comments used?	Teachers effectiveness for self awareness. Used for course corrections. To overcome weakness of teacher. Students expectation from teachers.

Basis of reward / corrective measures**Actions taken:**

The following actions are taken on basis of the feedback collected.

Commendatory actions

Letters of appreciation to faculty members are given who receive more than 90% in their feedback.

Corrective actions

Principal discusses the feedback with faculty member who needs improvement in teaching & the remedies are suggested. The comments are used for evaluation of overall strengths & weaknesses of the teacher pertaining to teaching & sincerity, also following points are consider for corrective actions.

1. Teachers receiving between 50-60 % in their feedback would be counseled.
2. Strict action would be taken against teachers with less than 50% in their feedback
3. Encouragement in terms of privileges

Number of corrective actions taken

Sr. No.	Year	Commendatory actions	Corrective actions
1	CAY (2018-19)	03	01
2	CAYm1 (2017-18)	03	03
3	CAYm2 (2016-17)	02	03

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.)

Feedback committee is identified for collecting feedback. For the metrics of facilities, questionnaire were prepared and evaluated on basis of 1-5 scale, where 5 as Excellent, 4 as good, 3 as average, 2 as Below average, 1 as needs improvement. Space for descriptive feedback/suggestion was provided.

Corrective Actions:

- Increased in drinking water facilities
- Increased in sports kits
- Library timings are extended during examination period
- Increased audio visual aids.
- Increased the number of books in Library.
- Avail the Computer and Internet facility
- Participation of students in extracurricular activities increased.
- Avail the Canteen facility in campus.

8.4 Self Learning**(5)**

(Specify the facilities, materials and scope for self-learning / learning beyond syllabus and creation of facilities for self-learning / learning beyond syllabus)

Scope for self learning beyond the syllabus

1. The students are encouraged to undertake self learning module. They utilize this mode for poster presentation and power point for oral presentation.
2. They are allowed to participate in intercollegiate competitions conducted at different levels like State, National, International levels in Amravati and outside.

3. The students compulsorily undertake the project & seminar component in B. Pharmacy VI & VII semester respectively. This involves the collection of research materials from literature, organizing, formatting and submitting the write-ups as a report.
4. College timings are much wider than students working hours, giving students the time to consult, learn and do research.
5. Each laboratory curriculum is augmented by at least one experiment beyond curriculum supplementing the syllabus and giving additional skills.
6. Students are encouraged to utilize facilities to promote knowledge by research, while choosing the topic for project/ seminars.

In the year CAY 2018-19, CAYm1 2017-18 and CAYm2 2016-17 sixty students are allowed to undergo the process in the above activities, the teachers of concerned specialization assist and mentor.

Creation of self learning facilities and availability of materials for learning beyond syllabus

Self learning facilities- Materials

1. The computer laboratory is equipped with internet facility. It is opened to the students in self-learning module. Literature search is being attempted. Downloads are also permitted.
2. The library and information centre has been contributing for last 12 yrs for hard bound journals of national and international repute. The back volumes are available. Students also use e- library facility. Students use 'VIDYA NIKETAN' a study centre for studying in late hours in the campus.
3. The students are allowed to prepare their power-point material for oral and poster presentation.
4. The teacher expert support in the technical matter, while the computer laboratory staff helps the students in the preparation of materials (inventory).

5. For the last 3 years, seminar bank is maintained.
6. The hard bound seminar reports are available.
7. The library and information centre has excellent collection of books including handbooks which immensely facilitates the self learning by the students.
8. Accessibility to popular free access journals and resources online such as DELNET, Inventi, National Digital library etc.

The above facilities go on, not only to strengthen the teaching -learning process for the students, but also generate academic discipline, scientific attitude, innovativeness and inculcate the self-learning. The impact of self learning is that students are motivated to participate in workshops, poster presentation etc.

Training on self learning systems

Orientation programs and workshops are periodically conducted. The details are as follows:

Dates	Course	Topic	Resource persons
28-09-2018	B. Pharmacy	Drug Design and Discovery	Mr. Rahul Ingale, Aurangabad.
22-08-2017	B. Pharmacy	Role of packaging materials on stability of Pharmaceuticals	Mr. M.A.Shende G.C.O.P Amravati.
28-09-2017	B. Pharmacy	Drug Receptor Interaction	Mr. N.I. Kochar PWCOP Yavatmal
15-09-2016	B. Pharmacy	Biomarkers in Cancer Diagnosis & Treatment	Mr. Shirish Jain RSCOP Buldana
23-1-2016	B. Pharmacy	Modern Analytical Approaches in Pharmaceutical Sciences	Mrs D.S.Ghorpade G.C.O.P Amravati

The topics include

- Tips to learn better
- Tips to learn to better from lecture
- Tips to learn better from practicals

Evidence of self learning- Project and seminar is an integral part of B. Pharm. syllabus. Every student has to prepare a project in Sem.VI as per SGBAU guidelines given in the syllabus. Similarly every student has to deliver seminar based on the syllabus of sem.VII of SGBAU as per SGBAU guidelines.

8.5 Career Guidance, Training, Placement

(10)

(Specify the facilities, its management and its effectiveness for career guidance including counseling for higher studies, campus placement support, industry interaction for training / internship / placement, etc.)

Career Guidance: The College has established good relationship with Prajapita Brahma Kumari Vishwa Vidyalaya, Amravati to access human resource knowledge for the benefit of the staff and students.

- Guest lectures are also arranged for competitive exams like GPAT etc.
- Arranging personality development sessions by experts of the college on one side, and on the other by industry.
- Periodic motivational lectures by experts.
- Arrange internships with industry.
- Encouraging students to participate the motivation programs

Year	Speaker	Address	Title
2018-19	Mr. Deepak Ghate	Prajapati Brahmakumari center, Amravati.	Becoming a better student
2018-19	Mr. Pramod Bodakhe	Prajapati Brahmakumari center, Amravati.	Stress Management
2017-18	B.K.Seeta	Prajapati Brahmakumari center, Amravati.	Power of positive thinking
2016-17	1. Dr. Mahesh Kale	Govt. College of Pharmacy, Amravati	GPAT Awareness
2016-17	2. B. K. Seeta	Prajapati Brahmakumari center, Amravati.	Strength is life, weakness is death

Training: As per the 'Direction of SGBAU', it is mandatory for the students to undertake industrial training for 4 weeks in a pharmaceutical manufacturing unit. The training helps

the students to understand the industrial scale operations and the use of the latest equipment and instruments. On completion of training, the industry issues a certificate to the students for the fulfillment of degree.

Placements: In the era of globalization and industrialization, VBCP is committed to create talent among students, which would enable them an easy access to the pharmaceutical industry. Hence, VBCP is committed to invite pharma industries, CROs and allied healthcare industries for the campus placements. Through our placement cell, VBCP welcomes all the concerned industries to end their search of talent. VBCP believes that our students would surely bring laurels to their companies. Facilities are available to simultaneously conduct written test for students during Campus Placements.

The broad areas at the training and placement cell:

1. At the time of campus recruitment, it is mandatory for students to be present in the formal dress.
2. For pre-placements talks (PPT), students should be present at least 15 minutes before the scheduled time at the venue.
3. Canvassing with the company personnel may disqualify the candidature.
4. For any queries, students should contact the T&P cell only.
5. The data bank or the students profiles is maintained by the cell and campus recruitment will be done by T&P. The interested students submit their CV directly to the T&P Cell, which will be used for this purpose.
6. For any queries/problems, the students should first discuss with the T&P cell, if necessary.
7. A nice ambience is maintained by the students during the Placements/Recruitment program.
8. Our main focus is to get at least one job to the registered student. However the condition of second job will depend upon the situation and the response of the company.

9. Those students who do not wish to participate in any recruitment process, must inform to the T&P office in advance, so as to give opportunity to other students.

10. T&P coordinator has to be present throughout the recruitment process in T&P office, for smooth conduction of interview.

Impact: The Training and placement cell is committed to provide all possible assistance to its graduates to achieve their career goals.

8.6 Entrepreneurship cell

(5)

(Describe the facility, its management and its effectiveness in encouraging entrepreneurship and incubation)

Entrepreneurship cell and incubation facility: Entrepreneurship has assumed importance for accelerating economic growth in India. It promotes capital formation and creates wealth in country. It is a hope and dream of millions of individuals around the world. It reduces unemployment and poverty, and it is a pathway to prosper. Entrepreneurship is a process of exploring the opportunities in the market place and arranging resources required to exploit these opportunities for a long term gain. It is a process of planning, and organizing opportunities and assuming. Thus, it is a risk of business enterprise. It may be distinguished as an ability to take risk independently to make utmost earnings in the market. It is a creative and innovative skill and adapting response to environment.

Entrepreneurship development activities at VBCP were started in 2016 with the following aim and general competencies:

Aim:

1. Developing entrepreneurial awareness and ability in students.
2. Creating a forum for potential entrepreneurs.
3. Make aware about various government policies regarding subsidies & marketing.

General Competencies:

1. Identifying facts, processes and concepts specific to the field of social sciences and the relations among them, using concepts specific to social and humanistic sciences.

2. Use of tools specific to the social and humanistic sciences, so as to generally and specifically characterize a theoretical and a practical problem.
3. Explaining facts, phenomena and processes specific to the social sciences field, by using theoretical models.
4. Interpreting the results of an analysis, or research, and the different approaches studied through the perspective of social sciences.
5. Realizing connections between knowledge acquired in the field of social and humanistic sciences, by applying them for evaluating and optimizing solutions intended for critical situations.
6. The Entrepreneurship Development Cell aims to improve and generate a culture of innovation and development of entrepreneurial spirit amongst the students and budding entrepreneurs and start their own enterprise. It also attempts to train and equip them with the knowledge and resources they need to build a successful business.

The following programs are organized to develop entrepreneurship skills in students and also to familiarize them with various procedures required in converting an idea into a successful business.

The entrepreneurship activities conducted at VBCP:

Date and Year	Event	Speakers
CAY (2018-19) 18/08 /2018	Skill development in Pharmaceutical Marketing.	Dr. Pallavi Mandavagade Amravati.
CAYm1(2017-18) 10-07-2017	Pharmaceutical Marketing	Mr. Asif Mansuri Amravati.
AYm2(2016-17) 16-09-16	Parameters of Entrepreneur development	Dr. Pallavi Mandavagade Amravati.
04-10-2016	Processing & Packaging of amla	Mr. R.S.Ghogare Durgapur.
05-10-2016	Prerequisite for successful marketing	Mr.Rahul Pote Amravati

Facility

The Entrepreneurship Cell is attached with the training & placement cell. All the members of the training and placement cells are available throughout the day for the students to help them regarding starting up their own business venture. The activities are not just limited to the current students but even the alumni are encouraged to take benefits of the services offered by the cell. The institute provides facilities to train students for Pharma production through pilot plant of VBCP to develop entrepreneurship.

8.7 Co curricular and Extracurricular Activities**(10)**

(Specify the co-curricular and extra-curricular activities)

Vidyabharati College of Pharmacy lays stress on beyond academic activities through structured co- and extra-curricular activities integrated and spread over the entire academic year, as they have profound impact in shaping up the overall personality of a student.

1. All activities are designed as per SGBAU calendar
2. All activities are executed by the students with assistance from faculty when needed.

Co- curricular activities:

- Paper publication: Students are encouraged to publish papers of mini projects as well as review articles.
- Poster presentation: Students as well as faculty are allowed for presenting the papers in national conferences such as intercollegiate Research Festival Avishkar, IPC, APTI and international conferences.
- Conferences / seminars/guest lecturers attended by students: Students regularly attend seminars / guest lectures organized by institute from time to time throughout the academic session.
- College News letter

An in-house newsletter named VBCP'S ECHO 'is circulated. It covers various articles, news and happenings in the institute. The moto of this newsletter is to provide and develop skills in scientific drafting among staff and students. Many students are actively involved themselves in the development of this newsletter.

VBCP'S ECHO is the newsletter of Vidyabharati College of Pharmacy and publishes three issues in a year. The newsletter briefs the events of VBCP, both in print out and soft copy versions. Hard copy version is available in the institution, while the soft copy is available in a website <http://www.vbcop.org>

Titles of the magazines	CAY (2018-19)	CAYm1 (2017-18)	CAYm2 (2016-17)	Publisher
VBCP'S ECHO (News Letter)	3	3	3	VBCP

- **National pharmacy week:**

The faculty and students are regularly participating in National Pharmacy Week celebrations, under the banner of Indian Pharmaceutical Association (IPA) local branch Amravati, and the following were the activities conducted during the last year National pharmacy week (NPW).

- Generating widespread awareness/educate the public about the pharmacist and the pharmacy profession and its vital role in society.
- Creating awareness amongst various authorities and do advocacy on various fronts, so as to highlight the important role of the pharmacist in health care and well being of the people.
- Ensuring that the pharmacist is given his due role in India's health care system both private and public.
- Interacting with other health care professionals and highlight the importance and role of the pharmacist in the health care system, and move towards better coordination and working together.

- Enhancing the image of pharmacists as the medication experts and an integral part of the health care.

➤ World Pharmacist day: 25-09-2018

A rally was organized with the theme given by PCI through posters. Enhancing the image of pharmacists as the medication experts and an integral part of the health care

➤ World Pharmacist day: 25-09-2017

Guest lectures were conducted and posters were distributed to community pharmacy in and around the Amravati.

➤ World Pharmacist day: 25-09-2016:

A rally was organized with the theme given by PCI through posters.

Extra-curricular activities:

Programme Calendar for various Extra-curricular activities

Sr. No.	Activity	Institute / Intercollegiate Level
1.	Sports / Game	College Annual Gathering (Sports) Day - January Intercollegiate sports - September
2.	Cultural	College Annual Gathering (Cultural) - January Youth Festival- September
3.	Extracurricular Activities	NSS Camp – January/ February Teachers Day - 5 th September World Pharmacist Day- 25 th September Blood Donation – December

- a) **Games:** The College has teams in all major games and sports. The teams participate in Institute and inter college tournaments organized by SGBAU.

CRITERION 8

STUDENT SUPPORT SYSTEMS

- 1) VBCP sports day: The college conducts sports day in connection to annual day celebration every year.
- 2) The list of Events and students participated in intercollegiate level organized by SGBAU are as follows.

CAY 2018-2019

Event	Number of Students participated
Chess	06
Badminton(Girls)	05
Badminton(Boys)	05
Atheletics (Girls)	02
Atheletics (Boys)	17
Cricket	16

CAYm1 2017-2018

Event	Number of Students participated
Volley ball (Boys)	09
Chess	04
Cricket(girls)	16

CAYm2 2016-2017

Event	No. of student Participated
Volley ball (Boys)	07
Cricket (Girls)	16
Cricket (Boys)	16
Chess	05
Table Tennis	07
Badminton	03

b] Cultural Activities:

- 1) The college conducts annual cultural activity in connection to annual day celebration every year.
- 2) The list of Events and students participated in intercollegiate level organized by SGBAU are as follows.

CAY 2018-19

Event	Number Students participated
Music	11
Dance	01
Literary.Events	06
Theatre	13
Fine Arts	06

CAYm1 2017-2018

Event	Number of Students participated
Music	02
Literary.Events	06
Fine Arts	05

CAYm2 2016-17

Event	Number of Students participated
Music	02
Dance	01
Literary.Events	06
Theatre	02
Fine Arts	05

c) NSS Activities:

VBCP-NSS activities make students to be socially conscious through promoting NSS functions effectively by conducting tree planting campaigns and blood donation camps. First Aid awareness programmes and AIDS awareness programmes are also organized. Engaging in social activity to bridge the gap between the fortunate and the less fortunate through empowerment is the main focus of NSS activity. NSS provides an excellent opportunity to the students who desire to serve the community and to develop interpersonal relationships and skills. The students of VBCP are associated with Vidyabharati Mahavidyalaya Amravati in the campus for such activities.

The various activities include;

- Plantation of Trees
- Road safety Awareness program
- Social Awareness Campaign
- Guest Lecture on Personality Development & Leadership

Events organized/Participated

- Conducted essay, drawing, elocution competition
- Participation of essay competition.
- Participated Inter college events.
- Attending fire safety training program

d) Blood Donation Camp: VBCP has been participating regularly in blood donation camps conducted Vidyabharati Shaikshanik Mandal Amravati in the month of December every year.

CRITERION 9

GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES

CRITERION 9	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	100
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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)

The following aspects are dealt and recorded below under different headings, for governance and transparency.

- A) Governing Body
- B) Local Managing committee (LMC)/ College Development committee. (CDC)
- C) Organizational chart
- D) Rules, procedures, recruitment and promotional policies

Governing Body

The following is the composition of the Governing Body VBCOP till 2017

Sr. No.	Name of the Member	Designation
1.	Mr. R.D. alias Raosaheb Shekhawat	Chairman
2.	Mr.B.L.Shekhawat	Member
3.	Dr. R.R.Dhande	Member
4.	Dr. F.C.Raghuwanshi	Member
5.	Prof. S.V. Kalikar	Member
6.	Shri. A.I. Nanwani	Member
7.	Dr.S.D.Pande	Member
8.	Mr. A.R. Jaiswal	Member
9.	Dr.K.K.Tapar	Member Secretary/Principal
10.	D.T.E.Nominee	Ex-officio Secretary
11.	M.S.B.T.E Nominee	Ex-officio Secretary
12.	AICTE Nominee	Ex-officio Secretary

Composition of new Governing Body (2018 Onwards)

Sr. No.	Name of the Member	Designation
1.	Mr. R.D. alias Raosaheb Shekhawat	Chairman
2.	Mr.B.L.Shekhawat	Member
3.	Dr. A.D Chauhan	Member
4.	Shri. Raguhunathji Rode	Member
5.	Dr. F.C.Raghuwanshi	Member
6.	Prof. S.V. Kalikar	Member
7.	Shri. A. I. Nanwani	Member
8.	Dr.S.D.Pande	Member
9.	Mr. A.R. Jaiswal	Member
10.	Dr. A.V. Chandewar	Ex-officio Member
11.	D.T.E.Nominee	Ex-officio Secretary
12.	M.S.B.T.E Nominee	Ex-officio Secretary
13.	AICTE Nominee	Ex-officio Secretary
14.	Dr.K.K.Tapar	Member Secretary/Principal

Powers and Functions of the Governing Body:

The Governing Body, besides being the supreme administrative authority of the college, shall have the following functions:

- To consider the important communications, policy decisions received from the University, Government, AICTE etc.
- To make recommendations on the planning and monitoring the college.
- 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, Mumbai, Govt. of Maharashtra.

- iv) To make recommendations on the planning and monitoring the college.
- v) To consider and approve the proposals for creation of infrastructure such as building, equipment, library on continuous basis.

Scheduled Meetings of the Body

2018-2019	2017-18	2016-17
13/10/18	03/07/2017	02/07/2016
26/11/2018	10/05/2018	

A. Local management committee (LMC)/College Development Committee (CDC)

Sr. No.	Name of the Member	Designation
1	Mr. R.D. alias Raosaheb Shekhawat	Chairman
2	Mr.B.L.Shekhawat	Member
3	Dr.K.N.Patil	Member
4	Dr.F.C.Raghuwanshi	Member
5	Dr.S.D.Pande	Teacher representative
6	Prof.J.V.Vyas	Teacher representative
7	Dr.M.D.Game	Teacher representative
8	Mr. A.R. Jaiswal	Teacher representative
9	Mr.L.S.Pande	Non- Teacher representative
10	Dr.K.K.Tapar	Ex-officio Secretary

Powers and Functions of the LMC/CDC:

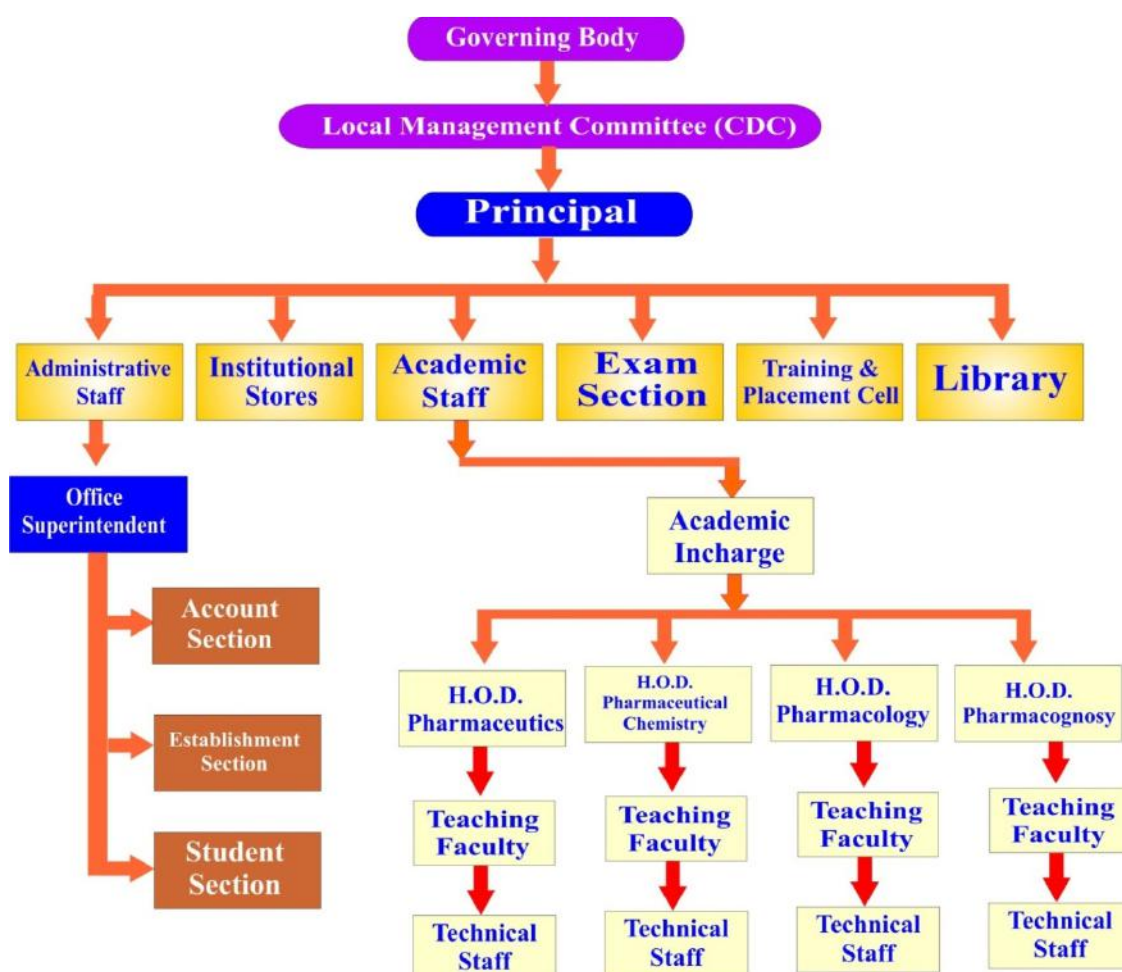
1. To monitor the academic and other related activities of the college.
2. To consider the recommendations of the staff selection committee.
3. To monitor the development programmes of students and faculty. Institute scholarships, fellowships, studentships, medals, prizes and certificates based on the recommendations of the Institutional Development and Monitoring Committee (IDMC).

4. To pass the annual budget of the college.
5. To approve the budget estimates- recurring and non- recurring for the financial year in advance.
6. To check the audited statement and expenditure accounts and approve the same for the college annually.

Scheduled Meetings of the Body

2018-2019	2017-18	2016-17
20/07/2018	05/07/2017	30/06/2016
07/02/2019	09/02/2018	04/03/2017

B. The organization chart of the Institution



C. 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 SGBAU University, Amravati
- ☐ All other applicable state/central government rules/regulations
- ☐ Rules and By-laws of Society
- ☐ Norms of Pharmacy Council of India (PCI)

Rules for Recruitment for Teaching Staff**Cadre Structure**

- (a) Principal
- (c) Professor
- (d) Associate Professor
- (e) Assistant Professors

Qualifications

Faculty is recruited based on the qualifications prescribed by the AICTE, PCI and SGBAU University from time to time.

Mode of Selection of Teaching Staff

Direct recruitment to all cadres is based strictly on merit. Invariably in almost all cases, the following procedure is followed:

- a) Advertisements are issued in leading newspapers.
- b) Applications are scrutinized 30 days after the last day for receipt of application.
- c) The lists of applications and resumes with relevant details are prepared for Selection Committee nominated by SGBAU University .

- d) The Registrar, SGBAU University appoints the subject experts and Vice Chancellor nominee for the posts of Assistant Professors, Associate Professors, & Professors.
- 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 supporting documents are sent to the Registrar, SGBAU University for approval.

Selection Committee

- 1. Vice Chancellor/nominee as the Chairman of the selection committee
- 2. President/Nominee of President of the Vidyabharati Educational Society
- 3. 4, 5. Expert Members (Nominated by University)
- 6. Commissioner/nominee from the Director Technical Education, Govt. of Maharashtra.
- 7. Principal.

Cadre Structure**a) Office**

- (i) Administrative Officer (Graduate with experience)
- (ii) Senior Assistant (Graduate with experience)
- (iii) Junior Assistant (Graduate)
- (iv) Peon (below or equal to SSC)

b) Laboratories (other than computer Labs)

- i) Lab Technician (Diploma in Pharmacy / DMLT / B.Sc.)
- ii) Lab Attender (below or equal to SSC)

c) Computer Labs

i) System Administrator

ii) Lab Technician (Graduate with experience)

Qualifications

Non-teaching staff are recruited on the qualifications prescribed by the State Government.

Mode of Selection of Non – Teaching Staff

All positions are advertised in the news papers or notified in the local notice boards. After scrutiny of received applications, a short list is made by Vidyabharati Educational Society, Secretary/Principal; Interview call letters are sent to eligible candidates to appear for personal interview. The selection committee consists of some or all of the following:

(a) President/nominee of President 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 President of Vidyabharati Shaikshanik Mandal, Amravati.

Probation Period Policy

Probation: Probation means an appointment made on trial on specified conditions for a stipulated period to a post for determining one's fitness for the job. With the exception of certain employees, all regular employees serve the first two years of employment on probation.

Temporary appointment: It means appointment made purely on temporary basis either for a permanent post or in tenure post or against a temporary post. With the exception of certain employees, all regular employees serve the first twelve months of employment on a temporary basis.

Evaluation in Probation Period: Probation period allows the employee's department head to evaluate the ability, suitability, and potential for success of the employee. It also allows time for the employee to decide their job satisfaction. Fifteen days prior to the completion of probation period, the Head of the Department, based on his / her evaluation, will intimate an employee about his performance / non-performance to the Principal. The Management decide to continue service or he / she may be terminated from service..

Continuance of Probation: If the employee's service during the probationary period is deemed unsatisfactory but if it is determined that the employee should continue in a probation status rather than being terminated, the recommendation that the employee remain in a probationary status should be forwarded by the Head of the Institute to the Management. In all such instances, the employee must be counseled and notified in writing regarding the extension of the probationary period.

Voluntary Resignations : It may be accepted in lieu of termination. Unless notified all job offers are on a permanent requirement with a probation period. Termination of employment, or other disciplinary action, during the probationary period, is not subject to progressive discipline and the grievance procedure.

Salary Policy

Type & fixation of Initial salary: In general, the type and fixation of initial salary is subject to statutory requirements like those of the government pay scales (Current is 6th pay rule), University of Amravati norms and All India Council of Technical Education (AICTE). Salary is fixed at the discretion of management.

a. Consolidated salary Usually non-teaching staff is paid consolidated salary at the time of joining till regularization of salary on the basis of individual performance. Salary fixation is dependent upon post, qualifications, experience as well as employees service at VBCOP College of Pharmacy institutes. It is fixed as per management decision ,

Salary And Increments as per pay**Salary Increments (Rationalization):**

i. Time scale of pay: Time scale of pay means a scale in which the salary rises, subject to the conditions prescribed in the statutes of 6th pay rules by periodical increments, from a minimum to maximum. Every employee is entitled to an annual increment in salary subject to the recommendations of the Head of the Institute as per the requirements of government pay scales, All India Council for Technical Education, SGBAU, Amravati etc. The recommendations based on the performance appraisal of the employee are reviewed by the Principal and Executive

ii. Payroll Schedules: Employees are paid for all the days of the month. Payment is directly deposited with a designated bank in the individual's account or given in cash for employees who are paid for visits or whose job is menial in nature of employment. All employees are advised to open a savings bank account in designated bank and intimate the account number to Accounts Department in writing within 7 days from the date of joining.

Payment mode of salary: Every employee opens a salary account at Campus branch of DENA Bank and the salary is transferred to employees account.

Payroll Deductions: Income-tax, professional tax and contributory provident funds are deducted wherever applicable.

An employee may also authorize deductions for institute-sponsored health benefits, insurance, and employee's emergency fund wherever applicable. All other deductions will be notified to the employees. Employees are not allowed to commit any deductions from salary directly to any outside agency / bank / financial institution / co-operative society, etc without explicit written permission by the Management / Principal.

i. Income-tax : It is mandatory that all staff must present their deduction scheme to the Administration by the end of May, and final proof for savings by the end of December of each calendar year in order to finalize tax deducted at source for the year.

ii. Contributory Provident Fund Scheme: Contributory provident fund facility is available to grade III cadre employees from the starting date of their employment. This facility is granted to those employees having university pay scale only after completing 3 years of service.

Promotion and Transfer Policy

1 A promotion is the shift of an employee from one position to another with more responsible duties or requiring more skills. Promotions are based on merit and qualifications required for the higher position. A pay rise is eminent in case of promotions but the Management reserves the right to do so.

2 A lateral transfer is when an employee moves from one position to another position that is on the same pay scale regardless of the title of the new position.

3 Transfers and promotions during probation period are subject to an administrative approval for the same, by Principal.

4 Employees are encouraged to apply for any position for which they are qualified and should contact the Principal for specific information.

5 When an employee is promoted either on applying for an advertised position or via the reclassification process the employee may receive remuneration based on an employee's exceptional experience and/or education and job responsibility.

6 A faculty desiring of promotion to a higher post has to face the Selection Committee appointed by the SGBAU and only on the recommendations of the committee he /she is granted promotion .

iii) Promotion Policy for Teaching Staff

- ☐ Career Advancement Scheme is implemented strictly in accordance with AICTE Rules.
- ☐ Higher posts such as Professor and Associate Professor are offered through selection committee constituted by the Registrar, SGBAU University.

Sr. no.	Name of staff member	Date of Promotion
	Assistant professor to Associate Professor	
1	Dr.M.D.Game	26/10/2017
2	Dr.V.P.Wankhade	26/10/2017

Promotion Policy for Non-Teaching Staff

- ☐ Time bound promotions given to Non-Teaching Staff.
- ☐ Promotion to higher post through selection procedure.

Leaves and Vacations Policy

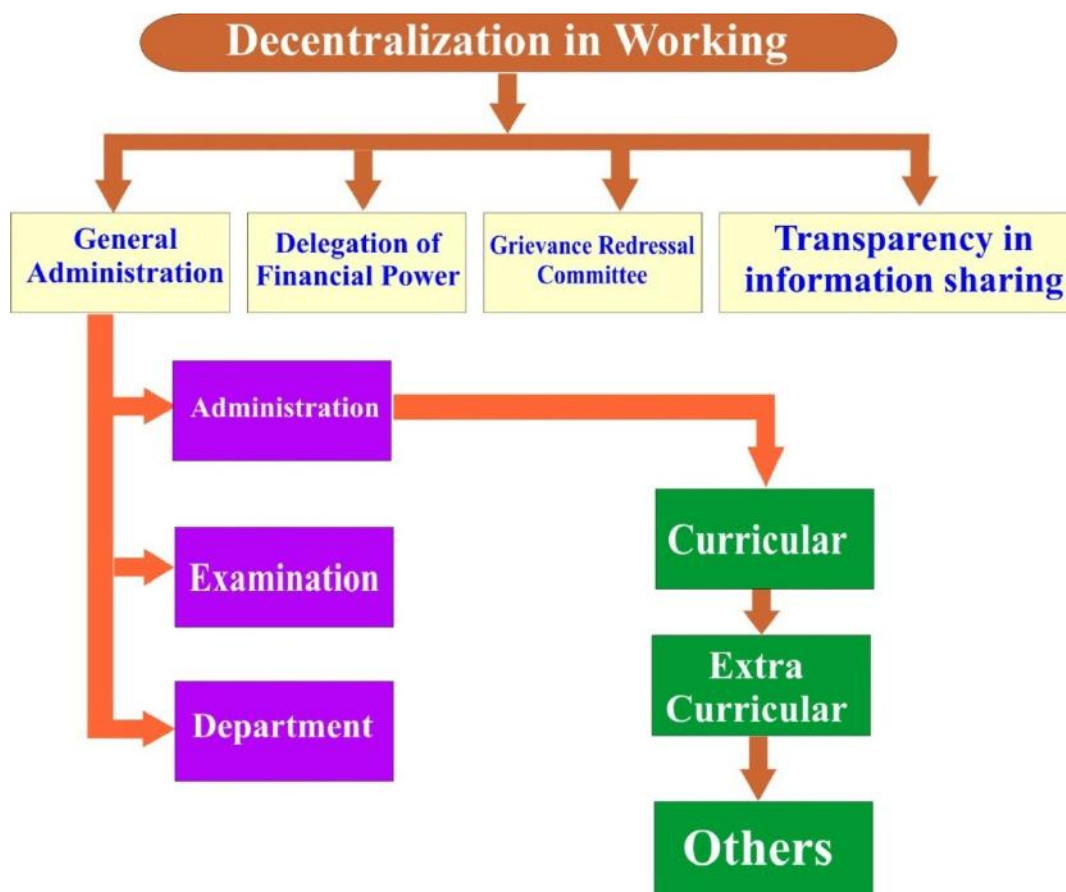
General Principle for granting leaves is to follow the guideline issued by University of SGBAU, All India Council for Technical Education, Government of Maharashtra etc.

1 Continuous Service means a service rendered by an employee without any break under the same competent authority. Leave of any kind mentioned (as under Section 11.2) does not constitute to a break in service. The Management maintains a permanent record of leaves granted and used by each employee. The Institute functions on a six-day week basis running from Monday through Saturday.

2 Leaves can be broadly classified :

i) Casual Leave [CL]	ii) Medical Leave [ML]
iii) On-Duty Leave [DL]	iv) Maternity Leave[MA]/Paternity Leave[PA]
v) Compensatory Leave [CO]	vi) Study Leave [SL]
vii) Earned Leave [EL]	viii) Sabbatical Leave [SA]
ix) Special Leave [SP]	x) Leave Without Pay [LWP]

9.1.2. Decentralization in working and grievance redressal mechanism (15)



a) Administration

Sr. No	Administration	Composition		
Curricular		CAY 2018-19	CAYm1 2017-2018	CAYm2 2016-2017
1	Prospector committee	Prof. J.V.Vyas Mr. A.R.Jaiswal	Prof.J.V.Vyas Mr.A.R.Jaiswal	Prof.J.V.Vyas Mr.A.R.Jaiswal
2	Examination committee	Prof. A.A.Deshmukh Dr. V.P Wankhade	Prof.M.P.Jadhao Prof.A.A.Deshmukh	Prof.V.L.Salode Prof.M.P.Jadhao
3	TimeTable committee	Prof. V.V.Paithankar Dr. N.N.Bobade	Prof.V.V.Paithankar Prof.M.D.Game	Prof.V.V.Paithankar Prof.M.D.Game

CRITERION

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GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES

4	Library Committee	Prof. S.D.Pande Mr. A.R.Jaiswal Ku M.R.Mourya Mr. M.V.Katole	Prof.S.D.Pande Mr.A.R.Jaiswal Ku M.R.Mourya Mr.M.V.Katole	Prof.S.D.Pande Mr.A.R.Jaiswal Ku M.R.Mourya Mr.M.V.Katole
5	Feed Back Committee	Prof.A.W.Dahekar Mr.V.R.Mehare	Prof.A.W.Dahekar Mr.V.R.Mehare	Prof.Fariha Fatima Prof.L.J.Gonsalvis

b) Examination

Examinations is an important component for assessment of the progress of the learning.

- ☐ All the examination matters are dealt by Controller of Examinations, SGBAU, Amravati
- ☐ Internal examinations are conducted by examinations cell by Examination incharge and advised by Principal.

Table consisting of members of the examination cell for different periods

Sr. No.	Examination Incharge			
	CAY 2018-19	CAYm1 2017-18	CAYm2 2016-17	CAYm3 2015-16
1	Prof.A.A.Deshmukh	Prof. M.P. Jadhao	Prof.V.L.Salode	Prof.S.C.Atram
2	Dr. V.P.Wankhade	Prof.A.A.Deshmukh	Prof. M.P. Jadhao	Prof.V.L.Salode
Students Project Incharge				
Class	CAY2018-19	CAYm1 2017-18	CAYm2 2016-17	CAYm3 2015-16
B.Pharm-III year	Prof. A.W.Baitule	Prof.S.G.Jawarkar	Prof.N.N.Bobade	Prof.N.N.Bobade
B.Pharm-IV year	Prof.K.B.Gabhane	Prof.(Mrs) A.M.Wankhade	Prof.K.B.Gabhane	Prof.K.B.Gabhane

c) Grievance Redressal Committee

Grievances is addressed by presence and functioning of following bodies in the college

1. Women Grievance Redressal Cell
2. Antiragging committee
3. Discipline Committee

Grievances related to women are addressed by a Women Grievance Redressal Cell. The college has formed an internal complaints committee (Sexual harassment of women at work place prevention prohibition and Redressal Act 2013). The composition is as given below:

1. Women Grievance Redressal Cell

Sr. No.	Name	Designation
1.	Dr.M.D.Game	Chairperson
2	Miss. L.J.Gonsalves	Member
3	Mr.J.V.Vyas (Male teacher representative)	Member
4	Miss. P.H.Hindocha	Member
5	Dr. Varsha Deshmukh (Lady Lawyer)	Member
6	Dr. Subhash Tawar (Representative of N.G.O.)	Member
7	Mr. L. S. Pande (Non-teaching Staff Representative)	Member
8	Mr. V.R.Mehare	Member
9	Miss. M.P.Jadhav	Member
10	Nominee for female diploma students	Member
11	Nominee for female U.G. students	Member
12	Nominee for female P.G. students	Member

2. Antiragging 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 and PCI and statutory bodies implement the provisions. The following members of the college are being appointed to form the antiragging committee in the previous years. Besides looking after general discipline, the committee will supervise all anti-ragging measures. Disciplinary matters are

dealt with stern approach expeditiously. Any matter communicated verbally, written form or in anonymous format are viewed with due weightage.

The composition of committee is given below:

Sr. No.	Name	Designation
1.	Dr.K.K.Tapar	Chairman
2.	Dr.S.D.Pande	Member
3.	Dr.M.D.Game (Ladies Representative)	Member
4.	Mr. A.R.Jaiswal	Member
5.	Mrs. A.B.Tasare (Ladies Representative)	Member
6.	Mr. A.W.Dahekar (Backward class Representative)	Member
7.	Mr. S.C. Atram (Backward class Representative)	Member

3) 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 reported concerning ragging reportes by any means or by the antiragging squad are dealt with utmost seriousness. SGBAU follows a well documented Anti-Ragging policy.

Composition:

Sr. No.	Name	Designation
1	Dr.K.K.Tapar	Chairman
2	Prof. A.W.Baitule	Incharge
3	Prof. J.V.Vyas	Member
4	Mr. A.R.Jaiswal	Member
5	Prof. V.M. Waghulkar	Member
6	Prof. Dr. M.D.Game	Ladies representative
7	Mr. L.S.Pande	Member

All the grievances are settled amicably at department level grievances committee. All women related grievances are redressed by women grievance Redressal cell.

9.1.3. Delegation of financial powers

(15)

Principal: The principal has the financial powers to spend Rs 25,000/- at a time, keeping in view of 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 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 have 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.

9.1.4. Transparency and availability of correct/unambiguous information in public domain

(10)

Information on the policies, rules and processes is made available on website.

- The arrival, all students joining VBCP are informed about the rules, regulations and procedures at college during orientation program.
- The same are available in the society manual.
- Periodic reminders are done through circulars which get inputs.
- All information relevant or needed by all stakeholders is available in web.
- Periodic communications are sent to parents/guardians.
- SMS communications are sent to the parents regarding absenteesm, sessional marks, monthly attendance, examination absenteesm, etc.

- At the time of joining new staff, 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. The employees are given uniform consideration. Transparency is maintained relating to rules followed which include general administration, service conditions, duties, promotion policies, increments, awards and also disciplinary action.
- The programme syllabus book (of SGBAU, Amravati) 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 SGBAU, Amravati, AICTE and Pharmacy Council of India (PCI). Thus reference points are made clear to the staff.
- Communications are displayed in the notice boards. Several boards are available for each department, placement, training, info apex, library, etc. In total, the administration and staff are available to open the communication with students, employers (for placement) etc. To a largest extent, paper work and communications are few and technology (SMS) is employed.

9.2 Budget allocation, Utilization and Public accounting at institute level

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

CRITERION

9

GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES

For CFY (2017-18)

Total Income:				Actual Expenditure (till 31 ST MARCH)			Total No. of students	Expenditure as per student
Fee	Govt.	Grant(s)	Other sources (specify)	Recurring including Salaries	Non recurring	Special Project/ Any other		
FOR CFY (2017-18)								
19089991				16675814.90	1614974	81946	291	63136
FOR CFYM1 (2016-17)								
20584297	-	-	-	15508140.00	3625500	162455	248	77807
FOR CFY M2 (2015-16)								
15856036	-	-	-	14102114.00	1581175	50938	252	62437
FOR CFY M3 (2014-15)								
14434755	-	-	-	12424443.00	1352646	475467	260	54817
FOR CFY M4 (2013-14)								
14579472	-	-	-	13529251.00	163600	35170	238	57681

***All figures in the Indian Rupees**

Budget expenditure: The details of expenditure into various heads for the last 5 years are given below.

Item	Amount in Rupees									
	Budgeted in CFY (2017-18)	Expenses in CFY (till 31.3.2018)	Budget ed in CFYM 1 (2016-17)	Expens es in CFY M1 (till 31.3.2017)	Budget ed in CFY M2 (2015-16)	Expens es in CFYM 2 (2015-16)	Budget ed inCFY M3 (2014-15)	Expens es inCFY M3 (2014-15)	Budget ed inCFY M4 (2013-14)	Expens es inCFY M4 (2013-14)
Infrastruct ural built-up	65000.00	50000.00	3754000	3625500	1650000	1581175	95000	85450	50000	35000
Library	300000.00	280323.00	150000	134091	225000	205368	125000	111980	200000	189456
Laboratory Equipment	150000.00	138703.00	50000	36476	50000	45876	85000	76876	250000	163600
Laboratory consumabl es	300000.00	235459.00	250000	235341	125000	96544	125000	107105	500000	425981
Teaching and Non-Teaching staff salary	16678236.00	13774027.00	14218658	14118658	13675023	12906348	13688501	12765253	12409920	12279920
Maintenan ce & Spare	110000.00	104504.00	120000	108651	150000	122052	150000	111414	120000	104115
R & D	600000.00	539062.90	200000	186462	15000	14663	35000	25000	20000	15476
Training and Travel	200000.00	18680.00	20000	17164	25000	21064	10000	5250	20000	16467
Miscellaneous expences*	30000.00	28416.00	30000	25607	15000	14760	25000	15334	30000	21438
Others	290000.00	3203560.00	808937	808145	754389	726377	945683	973894	719550	492044
Total	18723236.00	18372734.90	19601595	19296095	16684412	15734227	15249186	14252556	14299470	13728021

***All figures in the Indian Rupees**

The major areas are salaries, training and travel research, consumables, fee 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 as well as engaging the auditor, not associated with the organization, This is a process of accounting is once in every 3 months and compiling for the financial year.

9.2.1. Adequacy of budget allocation

(10)

Justify that the budget allocated over the years was adequate.

Budget Allocation :

VBCP 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:

- Recognize 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 an environment of vibrant development.
- increase research and development

The college allocates the available resources based on the forecasted requirements, keeping the curricular and beyond curricular activities, R & D, library, transport, and maintenance in mind. It is the responsibility of Institutional Development and Monitoring Committee (IDMC) to ensure that the allocated resources are spent as per their forecasted 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. Utilization of allocated funds

(15)

As per the 9.2 Budget Allocation and Utilization summary is Budgeted Expenditure

Sr. No.	Financial Year	Budgeted CFY	in Actual Expenses in CFY (till 31 March)	Percentage
01	CFY 2017-18	18723236.00	18372734.90	98.12
02	CFYM1 2016-17	19601595.00	19296095.00	98.44
03	CFYM2 2015-16	16684412.00	15734227.00	94.30
04	CFYM3 2014-15	15249186.00	14252556.00	93.46
05	CFYM4 2013-14	14299470.00	13728021.00	96.00

The respective academic and supportive units are informed on allocation of funds under various heads. The guidelines towards making purchase of laboratory equipment, programs conducting, training activities and other miscellaneous. The Institutional Development and Monitoring Committee (IDMC) 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 and projections. The priorities are identified. Emphasis is made on increasing the quality of academic inputs that positively contribute to the development. The following is the purchase procedures.

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 ratified by the Governing Body. Delegation of financial powers is promoted to keep the autonomy of the college and to reduce time delays.

Every effort is made for providing the best and updated infra-structural facilities to students and staff. Optimum utilization of this attitude and 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 or unjust spending.

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 vbcop website www.vbcop.org

9.3 Library and Internet (20)

It is assumed that zero deficiency report was received by the Institution, Effective availability and utilization to be determined.

Library Space and Ambience, timings and usage, availability of a qualified librarian and other staff, library automation, online access networking, etc.

- Carpet area of library (in m²) 325.00 Sq m
- Reading Space (in m²) 16.87 sq m
- Number of seats in reading space 48
- Number of users (Issue Book) per day 18.77
- Number of users (reading Space) per day 60-70
- **Timings**
- During working day 10.00 A.M. to 5.30 P.M.
- Vacation 10.00 A.M. to 5.30 P.M.
- Number of Library staff 02
- Number of library staff with degree in Library 01
- Management Computerization for search,
Indexing, issue / return records, bar coding used Yes
- Library services on internet / intranet Yes
- INDEST or other similar membership No
- Archives Yes

CRITERION

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GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES

9.3.1. Quality of learning resources (Hard/ Soft)

(10)

Titles and Volumes per Title

Number of Title **1302**

Numbers of Volumes **7294**

Year	No. of New Titles added	No. of Editions added	No. of New Volumes added
CFY 2018-19	109	11	1342
CFYm1 (2017-2018)	100	11	1062
CFY m2 (2016-2017)	94	03	346
CFY m3(2015-2016)	58	10	425
CFY m4(2014-2015)	45	05	154

Library Journals Back Volume from 2015 to 2018

Sr. No.	Name of the Journals /Periodical	Total No.
1	Pharma Times	44
2	Research Journal of Pharmacy & Technology	41
3	International Biopharm	31
4	Pharmaceutical Technology	31
5	The Indian Pharmacist	23
6	Indian Journal of Pharmacology	19
7	Indian Journal of Pharmaceutical Sciences	15
8	Asian J. of Pharmaceutical Analysis	12
9	Ethan pharmacology (Inventi)	12
10	Molecular Pharmacology (Inventi)	12
11	NDDS(4) (Inventi)	12

CRITERION

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GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES

12	Pharma Tech (Inventi)	12
13	Molecular Modeling(Inventi)	12
14	Biomedical Analysis(Inventi)	12
15	Pharma Process Development(Inventi)	12
16	Indian Journal of Pharmaceutical Education & Research	10
17	WHO Drug Information	09
18	Journals of Pharmacy Education Research	06
19	International J. of Pharmaceutical Development & Technology	06
20	International J. of Pharmaceutical Formulation & Analysis	06
21	Int. J. of Pharmaceutical Research & Technology	06
22	Asian J. of Pharmaceutical Research	04
23	Phytopharm	07
	Total No.	355

Other Journals = 10 and Their Back Volumes = 538 Total Back Volumes = 893

Library Expenditure

Description	CFY 2017-18	CFY m1 2016- 17	CFYm2 2015- 16	CFYm3 2014-15	CFYm4 2013-14
Books	199763	54215	105417	37478	125854
Journals	80560	79876	99951	74502	63602
Total	280323	134091	205368	111980	189456

***All figures in the Indian Rupees**

Digital Library

- Availability of digital library Contents:
- If Available then Mention
- No of Courses 03
- No. of e-books 51
- No. of an exclusive Server Yes
- Availability over internet / intranet Yes
- Availability exclusive Space /room Yes
- Number of user per day 60-70

For category Student institute provide book bank facility i.e. 1 or 2 books. Each student gets books of all subjects for 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.

9.3.2 Internet**(10)**

- Name of the Internet Provider :BSNL Broad Band
- Available bandwidth :20mbps
- Access Speed from internet provider BSNL :20mbps
- Access Speed from internet Net width unit Wi-Fi :100mbps
- Availability of Computer lab's :Yes
- Availability in department and other Units :Yes
- Availability in Faculty rooms :Yes (Wi-Fi)
- Institute own email facility to faculty / Students :Yes
- Internet Access in labs, Class rooms :Yes
- Library and other offices :Yes
- Security Arrangements :Yes

Availability of Internet in the Campus

- The College is currently subscribed with the service provider BSNL.
- For the internet services.
- The required band width is 10 mbps with 100 mbps combined for the growing number of users both in departments, examination cell, library, computer labs and PG Laboratories.
- The Wi-Fi router connected to all laptops in the computer lab and faculty rooms.
- The network is secure in that it has its own fire walls and anti – virus programmers to protect college information and database apart from confidential emails of all its users.
- This Facility is exclusively available to the college.



Vidya Bharati Shaikshanik Mandal, Amravati's
VIDYA BHARATI COLLEGE OF PHARMACY

Permanent Affiliated by S.G.B. Amravati University, Amravati, M.S.B.T.E., Mumbai
 & Recognized by Govt. of Maharashtra, AICTE & Pharmacy Council of India, New Delhi.

C.K. Naidu Road, Camp, Amravati - 444 602.

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Founder President

Dr. D.R. Shekhawat

Phone : 2662866, 2662783 (R)

President

Mr. R.D. Shekhawat

Phone : 2662866, 2662783 (R)

Principal

Dr. K.K. Tapar

Phone : 2552012 (O), 2665763 (R)



Ref. No. :

Date :

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.

Dr. K.K. Tapar
Principal

**Vidyabharati College of Pharmacy,
Amravati**

(Signature, Name and Designation
of the Head of the Institution with seal)
Principal
Vidyabharati College of Pharmacy,
Amravati



Date: 19/04/2019
Place: Amravati

ANNEXURE – I

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 wellbeing.
- 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.