


IbISFRRRowHeader

Pharmacy

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Part A : Institutional Information

1 Name and Address of the Institution

NCRD'S STERLING INSTITUTE OF PHARMACY,
PLOT 93/ 93 A, SECTOR 19, NERUL (E), OPPOSITE SEAWOODS RAILAY STATION, NAVI MUMBAI

2 Name and Address of Affiliating University

UNIVERSITY OF MUMBAI

3 Year of establishment of the Institution:

2004

4 Type of the Institution:

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

5 Ownership Status:

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

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

Name of Institutions	Year of Establishment	Programs of Study	Location
NCRD's Sterling Institute of Management Studies	2004	MMS, MCA	Navi Mumbai
NCRD's Sterling College of Arts, Commerce and Science	2003	Juniour, Senior	Navi Mumbai
NCRD's Sterling School	1994	School	Navi Mumbai
NCRD's Sterling School	2001	School	Bhosari
Nalanda English Medium School	2001	School	Manchar, Pune
Nutan Marathi Vidyalay	1994	School	Navi Mumbai
Yashwantrao Chavan Madhyamik Vidyalay	1994	School	Ambegaon, Pune
Adarsh Madhyamik Vidhyalay	1994	School	Jarkarvadi, Pune
Sharadchandraji Pawar Madhyamik Vidhyalay	1994	School	Dimbhe, Pune
Kalbhairavnath, L. B. Bangar Vidhyalay	1994	School	Khadki, Pune
New English School	2019	School	Lakhangaon, Pune

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

Name of Program	Program Applied level	Start of year	Year of AICTE approval	Initial Intake	Intake Increase	Current Intake	Accreditation status	From	To	Program for consideration	Program for Duration
BACHELOR OF PHARMACY	UG	2004	2004	60	No	60	Applying first time	--	--	Yes	4
DIPLOMA IN PHARMACY	Diploma	2003	2003	60	No	60	Eligible but not applied	--	--	0	2

8 Programs to be considered for Accreditation vide this application:

S No	Level	Discipline	Program
1	Under Graduate	Pharmacy	Pharmacy

9 Total number of employees

A. Regular* Employees (Faculty and Staff):

Items	2020-21		2019-20		2018-19	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Pharmacy (Male)	4	4	3	3	3	3
Faculty in Pharmacy (Female)	12	12	13	13	13	13
Faculty in Science & Humanities (Male)	00	00	00	00	00	00
Faculty in Science & Humanities (Female)	00	00	00	00	00	00
Non-teaching staff (Male)	13	13	14	14	12	12
Non-teaching staff (Female)	11	11	10	10	11	11

B. Contractual* Employees (Faculty and Staff):

Items	2020-21		2019-20		2018-19	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Pharmacy (Male)	0	0	0	0	0	0
Faculty in Pharmacy (Female)	0	0	0	0	0	0
Faculty in Science & Humanities (Male)	0	0	0	0	0	0
Faculty in Science & Humanities (Female)	0	0	0	0	0	0
Non-teaching staff (Male)	0	0	0	0	0	0
Non-teaching staff (Female)	0	0	0	0	0	0

10 Total number of Pharmacy students:

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

UG Shift-1

Total number of Pharmacy students	2020-21	2019-20	2018-19
Total No. of Boys	103	69	64
Total No. of Girls	182	184	198
Total	285	253	262

11 Vision of the Institution:

To be one of the leading institutions recognized from accreditation authorities, to cater for the needs of the pharmacy professionals, through excellence in teaching, learning, research and leadership.

12 Mission of the Institution:

To provide domain-based education and training to be competent pharmacy graduates for global citizenship, employment and lifelong learning through value based, professional centric education system and humanistic approach.

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

Head of the Institution	
Name	DR. RUPESH PINGALE
Designation	PRINCIPAL
Mobile No.	9892094949
Email ID	principal@ncrdsip.com

 NBA Coordinator, If Designated

Name	DR. GITIKA DHINGRA
Designation	ASSOCIATE PROFESSOR
Mobile No.	9819989868
Email ID	gitika.dhingra@ncrdsip.com

PART B: Criteria Summary

Criteria No.	Criteria	Total Marks	Institute Marks
1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	50	50.00
2	PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES	150	148.00
3	COURSE OUTCOMES (COS) AND PROGRAM OUTCOMES (POS)	100	97.00
4	STUDENTS' PERFORMANCE	180	117.36
5	FACULTY INFORMATION AND CONTRIBUTIONS	175	121.08
6	FACILITIES	120	120.00
7	CONTINUOUS IMPROVEMENT	75	60.85
8	STUDENT SUPPORT SYSTEMS	50	50.00
9	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	100	99.00
	Total	1000	863

Part B

1 VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES (50)

Total Marks 50.00

1.1 State the mission & vision (5)

Total Marks 5.00

Institute Marks : 5.00

Vision of the institute	To be one of the leading institutions recognized from accreditation authorities, to cater for the needs of the pharmacy professionals, through excellence in teaching, learning, research and leadership.											
Mission of the institute	To provide domain-based education and training to be competent pharmacy graduates for global citizenship, employment and lifelong learning through value based, professional centric education system and humanistic approach.											
Vision of the Department	To be one of the leading institutions recognized from accreditation authorities, to cater for the needs of the pharmacy professionals, through excellence in teaching, learning, research and leadership.											
Mission of the Department	<table border="1"> <thead> <tr> <th data-bbox="197 515 779 571">Mission No.</th> <th data-bbox="779 515 1888 571">Mission Statements</th> </tr> </thead> <tbody> <tr> <td data-bbox="197 571 779 699">M1</td> <td data-bbox="779 571 1888 699">To provide domain-based education to be competent pharmacy graduates</td> </tr> <tr> <td data-bbox="197 699 779 826">M2</td> <td data-bbox="779 699 1888 826">To provide training to be competent pharmacy graduates</td> </tr> <tr> <td data-bbox="197 826 779 954">M3</td> <td data-bbox="779 826 1888 954">To empower students for global citizenship, employment and lifelong learning.</td> </tr> <tr> <td data-bbox="197 954 779 1102">M4</td> <td data-bbox="779 954 1888 1102">To develop value based, professional centric education system and humanistic approach.</td> </tr> </tbody> </table>	Mission No.	Mission Statements	M1	To provide domain-based education to be competent pharmacy graduates	M2	To provide training to be competent pharmacy graduates	M3	To empower students for global citizenship, employment and lifelong learning.	M4	To develop value based, professional centric education system and humanistic approach.	
	Mission No.	Mission Statements										
	M1	To provide domain-based education to be competent pharmacy graduates										
	M2	To provide training to be competent pharmacy graduates										
	M3	To empower students for global citizenship, employment and lifelong learning.										
M4	To develop value based, professional centric education system and humanistic approach.											

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

Total Marks 5.00

PEO No.	Program Educational Objectives Statements
PEO1	Students graduating from NCRD's Sterling Institute of Pharmacy shall be able to 1. Establish themselves as competent pharmacy professionals.
PEO2	2. Be an earnest caretaker of the community.
PEO3	3. Adapt to dynamics in the field of employment and self-business through sustained learning.

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

Total Marks 15.00

Institute Marks : 15.00

Efforts are made to ensure that the Vision, Mission and PEOs are communicated effectively to all stakeholders, namely students, faculty, parents, industry, alumni, management, etc. during the meeting and different events.

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

- i. College website: <http://www.ncrdsip.com/> (<http://www.ncrdsip.com/>)
- ii. Academic calendar
- iii. Classrooms and Laboratories
- iv. Course Files
- v. Laboratory journals
- vi. Institute prospectus
- vii. Institute magazine
- viii. Reception
- ix. Principal's Cabin
- x. Staff-Room
- xi. Orientation programme for students,
- xii. Induction of staff members,
- xiii. Parents' meetings,
- xiv. Faculty meetings,
- xv. Meeting/interactions with stakeholders.

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

Total Marks 10.00

The process of defining and formulating the vision & mission of the program takes into consideration- feedback input of the stake holders, internal as well as external, through consultative process; and societal needs for quality education.

In establishing the **vision and mission of the institute**, the following steps were followed:

Step1: The steering committee was formulated to lead the task of evolving mission and vision for institute.

Step 2: Vision and Mission of the NCRD organization were taken as an origin.

Step 3: The SWOC analysis was conducted at the level of institute.

Step4: Views were taken from various stakeholders of the institute such as faculty, management, students, parents and alumni.

Step 5: The draft of mission and vision was developed based on the SWOC analysis and stakeholder's feedback.

Step 6: The views were summarized by the steering committee, and then forwarded through Internal Quality Assurance Cell to College Development Committee for approval.

Step 7: The accepted views were analyzed and reviewed to finalize the vision and mission of the institute.

The **program educational objectives** were defined through a consultative process as per the following steps:

Step 1: The steering committee was formulated to lead the task of evolving PEOs.

Step 2: Vision and Mission of the institute were taken as base to interact with various stake holders. The program outcomes defined by NBA were also kept in view.

Step 3: The PEOs were defined taking the feedback and views from;

- Alumni
 - Employers/professionals
 - Teachers
 - Students
- In addition to the feedback, the undergraduate pharmacy curriculum, requirements of employers, research institutions, academia, and the perspective of developing entrepreneurship skills among the students were considered.

Step 4: The steering committee collected and analyzed the views and put forth its opinions to College Development Committee which finalized the PEOs.

Step 5: Finally, the consistency of PEO with mission statement was analyzed and evaluated to attain the highest level of consistency.

Justification:

- PEO1 **“Establish themselves as competent pharmacy professionals.”**Competency will be attained through Knowledge (M1) and Skills (M2), Professionalism will be reflected through Knowledge (M1), Skills (M2), zeal for lifelong learning (M3) and a sense of social responsibility (M4). PEO 1 is highly consistent with M1, M2 & M4 and moderately consistency with M3. It is justified through practical and theory sessions,university results, placement records, expert lectures, seminars, entrance exam results, higher education ratio of students, feedback from summer internships in hospitals, drug store and industry and employer’s feedback.
- PEO2 **“Be an earnest caretakerof the community”** Core value of pharmacy profession is care of community health, which is achieved through core pharmacy knowledge (M1), skills (M2) and a sense of social responsibility (M4).PEO2 is highly consistent with M1, M3 & M4 and moderately consistent withM2. It is justified through activities such as rural outreach campaigns, health campaignsand blood donation camps, awareness rally, Minithon, higher education records, entrance exam results for higher studies, alumni records, feedback from employers, feedback from research guides.
- PEO3 **“Adapt to dynamics in the field through sustained learning”**Graduates can adapt to dynamics with basic knowledge (M1), skills (M2) and pursuit for excellence through a sense of social responsibility (M4)and aware about community care. PEO 3 is highly consistent with M1, M2 & M4 and moderately consistency with M3. It is justified through laboratory experiments, core subjects in curriculum, soft skill development through seminars by guest speakers and presentations, membership in professional bodies, participation in Rx fest and other intercollegiate events.

PEO Statements	M1	M2	M3	M4
Students graduating from NCRD's Sterling Institute of Pharmacy shall be able to 1. Establish themselves as competent pharmacy professionals.	3	3	2	3
2. Be an earnest caretaker of the community.	3	2	3	3
3. Adapt to dynamics in the field of employment and self-business through sustained learning.	3	3	2	3

2 PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES (150)

Total Marks 148.00

2.1 Program Curriculum (40)

Total Marks 40.00

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

Institute Marks : 10.00

1. The syllabus of the four-year B Pharmacy course has been designed by the University of Mumbai which has been further divided into eight semesters.
2. Choice Based Credit System (CBCS), Revised- Choice Based Credit System (R-CBCS) have been implemented by University of Mumbai. CBCS, R-CBCS systems were introduced by University of Mumbai in academic years 2016-17 and 2019-20 respectively.

COURSE OF STUDY

The course of study for B. Pharm shall include Semester Wise Theory & Practical as given in

Table – 2.1-1, 2.1-2, 2.1-3. The number of hours to be devoted to each theory, tutorial and practical

course in any semester shall not be less than that shown in Table – 2.1-1, 2.1-2, 2.1-3

PROGRAM SCHEME FOR THE REVISED CHOICE BASED CREDIT AND GRADING SYSTEM (R-2019) SYLLABUS

Table 2.1 -1: Schemes for internal assessments and end semester examinations semester wise

SEMESTER I

Sr. No.	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
1	Human Anatomy and Physiology I – Theory	10	15	1 Hr	25	75	3 Hrs	100
2	Pharmaceutical Analysis I – Theory	10	15	1 Hr	25	75	3 Hrs	100
3	Pharmaceutics I – Theory	10	15	1 Hr	25	75	3 Hrs	100
4	Pharmaceutical Inorganic Chemistry – Theory	10	15	1 Hr	25	75	3 Hrs	100
5	Communications skills – Theory*	5	10	1 Hr	15	35	1.5 Hrs	50
6	Remedial Biology/Mathematics – Theory*	5	10	1 Hr	15	35	1.5 Hrs	50
7	Human Anatomy and Physiology – Practical	5	10	4 Hrs	15	35	4 Hrs	50
8	Pharmaceutical Analysis I – Practical	5	10	4 Hrs	15	35	4 Hrs	50
9	Pharmaceutics I – Practical	5	10	4 Hrs	15	35	4 Hrs	50
10	Pharmaceutical Inorganic Chemistry – Practical	5	10	4 Hrs	15	35	4 Hrs	50
11	Communications skills – Practical*	5	5	2 Hrs	10	15	2 Hrs	25
12	Remedial Biology – Practical*	5	5	2 Hrs	10	15	2 Hrs	25
Total		70/75^S/80[#]	115/125^S/130[#]	23/24^S/26[#] Hrs	185/200^S/210[#]	490/525^S/540[#]	31.5/33^S/35[#] Hrs	675/725^S/750[#]

#Applicable ONLY for the students studied Mathematics/Physics/ Chemistry at HSC and appearing for Remedial Biology (RB) course.

\$Applicable ONLY for the students studied Physics / Chemistry/Botany/Zoology at HSC and appearing for Remedial Mathematics (RM) course.

*Non-University Examination (NUE)

Semester II

Sr. No.	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
1	Human Anatomy and Physiology II – Theory	10	15	1 Hr	25	75	3 Hrs	100

2	Pharmaceutical Organic Chemistry I – Theory	10	15	1Hr	25	75	3Hrs	100
3	Biochemistry – Theory	10	15	1Hr	25	75	3Hrs	100
4	Pathophysiology – Theory	10	15	1Hr	25	75	3Hrs	100
5	Computer Applications in Pharmacy – Theory	10	15	1Hr	25	50	2Hrs	75
6	Environmental sciences – Theory	10	15	1Hr	25	50	2Hrs	75
7	Human Anatomy and Physiology II – Practical	5	10	4Hrs	15	35	4Hrs	50
8	Pharmaceutical Organic Chemistry I – Practical	5	10	4Hrs	15	35	4Hrs	50
9	Biochemistry – Practical	5	10	4Hrs	15	35	4Hrs	50
10	Computer Applications in Pharmacy – Practical	5	5	2Hrs	10	15	2Hrs	25
Total		80	125	20 Hrs	205	520	30 Hrs	725

Semester III

Sr. No.	Name of the course	Internal Assessment				End Semester Exams		Total Marks
		Continuous Mode	Sessional Exams		Total	Marks	Duration	
			Marks	Duration				
1	Pharmaceutical Organic Chemistry II – Theory	10	15	1Hr	25	75	3Hrs	100
2	Physical Pharmaceutics I – Theory	10	15	1Hr	25	75	3Hrs	100
3	Pharmaceutical Microbiology – Theory	10	15	1Hr	25	75	3Hrs	100
4	Pharmaceutical Engineering – Theory	10	15	1Hr	25	75	3Hrs	100
5	Pharmaceutical Organic Chemistry II – Practical	5	10	4Hr	15	35	4Hrs	50
6	Physical Pharmaceutics I – Practical	5	10	4Hr	15	35	4Hrs	50
7	Pharmaceutical Microbiology – Practical	5	10	4Hr	15	35	4Hrs	50
8	Pharmaceutical Engineering – Practical	5	10	4Hr	15	35	4Hrs	50
Total		60	100	20	160	440	28Hrs	600

Semester IV

			Marks	Duration				
1	Biostatistics and Research Methodology – Theory	10	15	1Hr	25	75	3Hrs	100
2	Social and Preventive Pharmacy – Theory	10	15	1Hr	25	75	3Hrs	100
3	Pharmaceutical Marketing – Theory	10 + 10 = 20	15 + 15 = 30	1 + 1 = 2Hrs	25 + 25 = 50	75 + 75 = 150	3 + 3 = 6Hrs	100 + 100 = 200
4	Pharmaceutical Regulatory Science – Theory							
5	Pharmacovigilance – Theory							
6	Quality Control and Standardization of Herbals – Theory							
7	Computer Aided Drug Design – Theory							
8	Cell and Molecular Biology – Theory							
9	Cosmetic Science – Theory							
10	Experimental Pharmacology – Theory							
11	Advanced Instrumentation Techniques – Theory							
12	Dietary Supplements and Nutraceuticals – Theory							
13	Pharmaceutical Product Development – Theory							
14	Project Work	-	-	-	-	150	4Hrs	150

Total	40	60	4 Hrs	100	450	16 Hrs	550
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Table 2.1-2: Program Scheme for the Choice Based Credit and Grading System (CBCGS) (2016-17)

SEMESTER I						
Sr. No.	Name	Credits	Hr/Wk	Weightage Internal	Weightage End Semester Exam	Total Marks
1	General Chemistry	4	4	20	80	100
2	Dispensing and Community Pharmacy	4	4	20	80	100
3	Anatomy, Physiology & Pathophysiology I	4	4	20	80	100
4	Biochemistry I	4	4	20	80	100
5	Communication Skills and Ethics (NUES)	3	3	20	80	100
TOTAL Theory		19	19	100	400	500
6	General Chemistry Lab	2	4	10	40	50
7	Dispensing and Community Pharmacy Lab	2	4	10	40	50
8	Anatomy, Physiology & Pathophysiology Lab	2	4	10	40	50
TOTAL Lab		6	12	30	120	150
TOTAL SEM I		25	31	130	520	650
SEMESTER II						
Sr. No.	Name	Credits	Hr/Wk	Weightage Internal	Weightage End Semester Exam	Total Marks
1	Anatomy, Physiology & Pathophysiology II	4	4	20	80	100
2	Biochemistry II	4	4	20	80	100
3	Pharmacognosy I	4	4	20	80	100
4	Hospital Pharmacy and Drug Store Management	4	4	20	80	100
5	Environmental Science	3	3	20	80	100
TOTAL Theory	19	19	100	400	500	

6	Pharmacognosy Lab I	2	4	10	40	50
7	Biochemistry Lab	2	4	10	40	50
8	Computer Lab	2	4	10	40	50
TOTAL Lab	6		12	30	120	150
TOTAL SEM II	25		31	130	520	650

SEMESTER III

Sr. No.	Name	Credits	Hr/Wk	Weightage Internal	Weightage End Semester Exam	Total Marks
1	Organic Chemistry I	4	4	20	80	100
2	Physical Pharmacy I	4	4	20	80	100
3	Anatomy, Physiology & Pathophysiology III	4	4	20	80	100
4	Pharmaceutical Analysis I	3	3	20	80	100
5	Pharmaceutical Engineering	3	3	20	80	100
TOTAL Theory		18	18	100	400	500
6	Organic Chemistry Lab I	2	4	10	40	50
7	Physical Pharmacy Lab I	2	4	10	40	50
8	Pharmaceutical Analysis Lab I	2	4	10	40	50
TOTAL Lab		6	12	30	120	150
TOTAL SEM III		24	30	130	520	650

SEMESTER IV

Sr. No.	Name	Credits	Hr/Wk	Weightage Internal	Weightage End Semester Exam	Total Marks
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1	Organic Chemistry II	4	4	20	80	100
2	Physical Pharmacy II	4	4	20	80	100
3	Pharmaceutics I	3	3	20	80	100
4	Pharmacology I	4	4	20	80	100
5	Microbiology	3	3	20	80	100
6	Mathematics and Statistics	3	3	20	80	100
TOTAL Theory		21	21	120	480	600
7	Physical Pharmacy Lab II	2	4	10	40	50
8	Pharmaceutics Lab I	2	4	10	40	50
9	Pharmacology Lab I	2	4	10	40	50
TOTAL Lab		6	12	30	120	150
TOTAL SEM IV		27	33	150	600	750

SEMESTER V

Sr.No.	Name	Credits	Hr/Wk	Weightage Internal	Weightage End Semester Exam	Total Marks
1	Organic Chemistry III	4	4	20	80	100
2	Pharmaceutics II	4	4	20	80	100
3	Pharmaceutical Biotechnology	4	4	20	80	100
4	Pharmacology II	4	4	20	80	100
5	Choice Based Course I	2	2	10	40	50
6	Choice Based Course II	2	2	10	40	50
TOTAL Theory		20	20	100	400	500
7	Organic Chemistry Lab II	2	4	10	40	50

8	Pharmaceutics Lab II	2	4	10	40	50
9	Experimental Techniques in Microbiology and Biotechnology Lab	2	4	10	40	50
TOTAL Lab		6	12	30	120	150
TOTAL SEM V		26	32	130	520	650
SEMESTER VI						
Sr. No.	Name	Credits	Hr/Wk	Weightage Internal	Weightage End Semester Exam	Total Marks
1	Pharmaceutical Chemistry I	4	4	20	80	100
2	Pharmaceutics III	4	4	20	80	100
3	Pharmaceutical Analysis II	4	4	20	80	100
4	Pharmacognosy II	4	4	20	80	100
5	Choice Based Course III	4	4	20	80	100
6	Choice Based Course IV	2	2	10	40	50
TOTAL Theory		22	22	110	440	550
7	Pharmaceutical Chemistry Lab I	2	4	10	40	50
8	Pharmaceutics Lab III	2	4	10	40	50
9	Pharmaceutical Analysis Lab II	2	4	10	40	50
TOTAL Lab		6	12	30	120	150
TOTAL SEM VI		28	34	140	560	700
SEMSTER VII						

Sr. No.	Name	Credits	Hr/Wk	Weightage Internal	Weightage End Semester Exam	Total Marks
1	Pharmaceutical Chemistry II	4	4	20	80	100
2	Pharmacognosy III	4	4	20	80	100
3	Pharmaceutical Analysis III	4	4	20	80	100
4	Pharmacology III	4	4	20	80	100
5	Pharmaceutical Jurisprudence	3	3	20	80	100
6	Choice Based Course V	2	2	10	40	50
TOTAL Theory		21	21	110	440	550
7	Pharmacognosy Lab II	2	4	10	40	50
8	Pharmaceutical Analysis Lab III	2	4	10	40	50
9	Pharmacology Lab II	2	4	10	40	50
TOTAL Lab		6	12	30	120	150
TOTAL SEM VII		27	33	140	560	700
SEMESTER VIII						

Sr. No.	Name	Credits	Hr/Wk	Weightage Internal	Weightage End Semester Exam	Total Marks
1	Pharmaceutical Chemistry III	4	4	20	80	100
2	Pharmaceutics IV	4	4	20	80	100
3	Choice Based Course VI	4	4	20	80	100
4	Choice Based Course VII	4	4	20	80	100
TOTAL Theory		16	16	80	320	400
5	Pharmaceutical Chemistry Lab II	2	4	10	40	50
6	Pharmaceutics Lab IV	2	4	10	40	50

7	Project	6	12	-	200	200
	TOTALLab	10	20	20	280	300
	TOTALSEMVIII	26	36	100	600	700

Table 2.1-3: Program Scheme for the Credit Based Grading System (CBGS) (2012-13)

SEMESTER I

Subject		Credits	Contact Hours/week	Continuous internalassessment	End SemesterExamination	Total Marks
1	Physical Organic Chemistry	4	4	30	70	100
2	Physical Pharmacy I	4	4	30	70	100
3	Anatomy, Physiology and Pathophysiology I	4	4	30	70	100
4	Environmental Science	3	3	30	70	100
5	Communication skill	3	3	30	70	100
Total		18	18	150	350	500
Practicals						
6	Physical PharmacyLab-I	2	4	15	35	50
7	Anatomy, Physiology and Pathophysiology Lab I	2	4	15	35	50
8	Computer Lab	2	4	15	35	50
Total		6	12	45	105	150
TotalTeachingHrs.			30			
TotalCredits		24				
TotalMarks				195	455	650
SEMESTER II						
Subject		Credits	Contact Hours/week	Continuous internalassessment	End SemesterExamination	Total Marks
1	Pharmaceutical Chemistry I	3	3	30	70	100
2	Biochemistry I	4	4	30	70	100
3	Pharmaceutics I	4	4	30	70	100
4	Physical Pharmacy II	3	3	30	70	100
5	Anatomy, Physiology and Pathophysiology II	4	4	30	70	100
Total		18	18	150	350	500
Practicals						
6	Physical PharmacyLab-II	2	4	15	35	50
7	Pharmaceutical Chemistry Lab I	2	4	15	35	50

8	Pharmaceutics Lab I	2	4	15	35	50
Total		6	12	45	105	150
TotalTeachingHrs.			30			
TotalCredits		24				
TotalMarks				195	455	650
<u>SEMESTER III</u>						
Subject		Credits	Contact Hours/week	Continuous internalassessment	End SemesterExamination	Total Marks
1	OrganicChemistry-I	4	4	30	70	100
2	Biochemistry-II	4	4	30	70	100
3	DispensingPharmacy	3	3	30	70	100
4	PharmaceuticalEngineering	3	3	30	70	100
5	Anatomy,Physiologyand Pathophysiology-III	3	3	30	70	100
6	Mathematics	3	3	30	70	100
Total		20	20	180	420	600
Practicals						
7	OrganicChemistryLab-I	2	4	15	35	50
8	BiochemistryLab	2	4	15	35	50
9	DispensingLab	2	4	15	35	50
Total		6	12	45	105	150
TotalTeachingHrs.			32			
TotalCredits		26				
TotalMarks				225	525	750
<u>SEMESTER IV</u>						
Sr. No.	Subject	Credits	Contact Hours/week	Continuous internalassessment	End SemesterExamination	Total Marks
1	OrganicChemistry-II	3	3	30	70	100
2	PharmaceuticalAnalysis-I	3	3	30	70	100
3	Pharmaceutics-II	3	3	30	70	100
4	Microbiology	3	3	30	70	100
5	Pharmacology-I	3	3	30	70	100

6	MathematicsandStatistics	3	3	30	70	100
	Total	18	18	180	420	600
	Practicals					
7	PharmaceuticalAnalysisLab-I	2	4	15	35	50
8	PharmaceuticsLab-II	2	4	15	35	50
9	PharmacologyLab-I	2	4	15	35	50
10	MicrobiologyLab	2	4	15	35	50
	Total	8	16	60	140	200
	TotalTeachingHrs.		34			
	TotalCredits	26				
	TotalMarks			240	560	800
	<u>SEMESTER V</u>					

Subject		Credits	Contact Hours/week	Continuousinternalassessment	EndSemesterExamination	Total Marks
1	OrganicChemistry-III	4	4	30	70	100
2	Cosmeticology	3	3	30	70	100
3	PharmaceuticalBiotechnology	4	4	30	70	100
4	Pharmacology-II	4	4	30	70	100
5	PharmaceuticalManagement	3	3	30	70	100
	Total	18	18	150	350	500
	Practicals					
6	OrganicChemistryLab-II	2	4	15	35	50
7	Pharmaceutical Biotechnology Lab	2	4	15	35	50
8	Biotechnology Lab	2	4	15	35	50
	Total	6	12	45	105	150
	TotalTeachingHrs.		30			

TotalCredits	24				
TotalMarks			195	455	650
<u>SEMESTER VI</u>					

No.	Semester-VI					
	Subject	Credits	Contact Hours/week	Continuousinternalassessment	EndSemesterExamination	Total Marks
1	PharmaceuticalChemistry-II	3	3	30	70	100
2	PharmaceuticalAnalysis-II	3	3	30	70	100
3	Pharmaceutics-III	3	3	30	70	100
4	Pharmacognosy and phytochemistry I	4	4	30	70	100
5	Hospital Pharmacy and Drug Store Management	4	4	30	70	100
	Total	16	16	150	350	500
	Practicals					
6	Pharmaceutical Chemistry Lab II	2	4	15	35	50
7	Pharmaceutical Analysis Lab II	2	4	15	35	50
8	Pharmaceutics Lab III	2	4	15	35	50
9	Pharmacognosy and Phytochemistry lab I	2	4	15	35	50
	Total	8	16	60	140	200
	TotalTeachingHrs.		32			
	TotalCredits	24				
	TotalMarks			210	490	700
	Credits Sem V plus Sem VI	48				
<u>SEMESTER VII</u>						

Subject	Credits	Contact Hours/week	Continuousinternalassessment	EndSemesterExamination	Total Marks
1 PharmaceuticalChemistry- III	3	3	30	70	100
2 PharmaceuticalAnalysis-III	3	3	30	70	100
3 Pharmacology-III	3	3	30	70	100

4	Pharmaceutics-IV	3	3	30	70	100	
5	Pharmacognosy&Phytochemistry-II	3	3	30	70	100	
6	PharmaceuticalJurisprudence	3	3	30	70	100	
	Total	18	18	180	420	600	
	Practicals						
7	PharmaceuticalAnalysisLab-III	2	4	15	35	50	
8	PharmaceuticsLab-IV	2	4	15	35	50	
9	PharmacologyLab-II	2	4	15	35	50	
10	Pharmacognosy and Phytochemistry Lab II	2	4	15	35	50	
	Total	8	16	60	140	200	
	TotalTeachingHrs.		34				
	TotalCredits	26					
	TotalMarks			240	560	800	
	<u>SEMESTER VIII</u>						

Sr.No.	Semester-VIII						
1	PharmaceuticalChemistry-IV	4	4	30	70	100	
2	Pharmaceutics-V	4	4	30	70	100	
3	Biopharmaceutics&Pharmacokinetics	4	4	30	70	100	
4	Pharmacognosy&Phytochemistry-III	4	4	30	70	100	
5	ClinicalPharmacy	2	2	15	35	50	
	Total	18	18	135	315	450	
	Practicals						
6	PharmaceuticalChemistryLab-III	2	4	15	35	50	
7	PharmaceuticsLab-V	2	4	15	35	50	
8	Pharmacognosy and Phytochemistry Lab II	2	4	15	35	50	
	Total	6	12	45	105	150	
	TotalTeachingHrs.		30				
	TotalCredits	24					
	TotalMarks			180	420	600	

The institute has developed its algorithm for attainment of program outcomes based on the book titled as Outcome-based Education: Theory and Practice (ISBN 13: 979-8679142923). The schematic representation of the same is as depicted below in fig.2.1

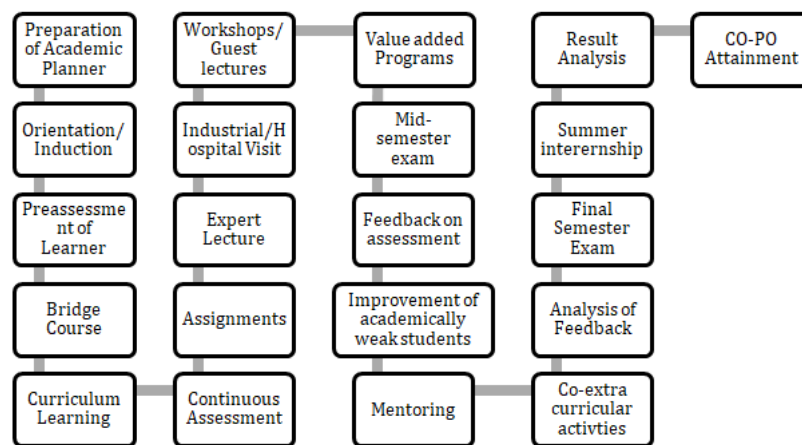


Fig 2.1: Flow chart of program outcome attainment plan

PROGRAM ATTAINMENT PLAN

The program attainment plan is made up of twenty-one components. The parts which make each component has been listed down below-

i. Preparation of Academic Planner

- a. Preparation of session plan of each course by respective subject in-charges.

ii. Orientation/Induction

Induction program is organized for the first year B Pharm students as they are new to the program. The components include

- a. Introducing students to the Vision, Mission & PEO of the institute
- b. Getting them acquainted to the Scope of Pharmacy
- c. Information about academic, examination system and the various co and extracurricular activities.
- d. Bridge course, wherever applicable
- e. Introduction to the courses
- f. Objectives of the course
- g. Course outcomes
- h. Assessment methods
- i. Reference books, learning material etc.

Orientation program is conducted for SY, TY and Final year B.Pharm students at the start of every semester.

- a. Introduction to the courses in the semester
- b. Objectives of the course
- c. Course outcomes
- d. Assessment methods
- e. Reference books, learning material etc.

f. Extension activities, such as co-curricular activities, extra-curricular activities, hospital visits, industrial visits and value added programs.

iii. Pre- assessment of Learner

- a. Test based on previous related course
- b. Evaluation
- c. Planning a bridge course, wherever applicable

iv. Bridge Course

- a. Based on the result of pre assessment, bridge course is planned on selected topics to cover up the gap between previous course and current ongoing course.

v. Curricular Learning

- a. Planning the course with effective teaching learning techniques & assessment methods.
- b. Conducting session as per session planner.
- c. Assessment
- d. Planning expert lectures, wherever applicable

vi. Continuous Assessment Procedure

CBCS Syllabus

- a. Two class tests/ One assignment are conducted while learning the course
- b. Marks are assigned for daily attendance
- c. Mid-semester examination is conducted
- a. Marks are allotted for each experiment performed by the student and average calculated at the end of the semester and record of practical in journals is checked.
- d. Marks for daily attendance in practical

R-CBCS Syllabus

- a. Two class tests/ One assignment are conducted while learning the course
- b. Marks are assigned for daily attendance
- c. Mid-semester examination is conducted
- d. Marks are allotted for each experiment performed by the student and average calculated at the end of the semester and record of practical in journals is checked.
- e. Marks for daily attendance in practical

vii. Assignment

- a. Assignment to be given to students as per CBCS and R-CBCS syllabus.
- b. Type of assignment like library based, problem based
- c. Assessment of the assignment is done by teacher in-charge.

viii. Expert lecture

Expert lectures are delivered to give better insight of the subject matter to students. Experts are identified on their knowledge and experience in industry or academia.

- a. Experts are identified for specific topics in each course
- b. Conducting the lecture by the expert

- c. Remuneration and thanks letter to the expert

ix. Industry/Hospital Visit

Main aim of industrial and hospital visit is to provide an exposure to students about practical working environment. It also provide students a good opportunity to gain full awareness about industrial practices.

- a. Identifying the industry/hospital /herbal garden to be visited locally
- b. Correspondence with concerned authorities for finalizing dates.
- c. Arranging the visit with faculty members
- d. Preparation of report
- e. Student feedback

x. Guest Lectures/Workshops

Guest lectures help students to improve their learning in a more interactive, topic specific way. These can be very helpful not only for the students, but can also contribute to the teachers knowledge and practices.

Topics are finalized after input from the faculty and students;

- a. Speakers are identified
- b. Correspondence and confirmation of the speaker and the date of availability
- c. Conducting the lecture
- d. Remuneration to the speaker
- e. Speaker feedback
- f. Recording the event photographs and report
- g. Student feedback

xi. Value added program

Value added program is an initiative taken for student's development to provide students an understanding of the expectations of industry and to bridge the gaps between industry and academia. It provide an opportunity to students to develop inter-disciplinary skills.

- a. Online certificate courses have been initiated in collaboration with Patlex Business Solutions Pvt Ltd.
- b. Courses are offered in various topics such as Drug discovery and bulk drugs, pharmaco vigilance, Drug Regulatory Affairs, IPR, Start-ups and Entrepreneurship, Pharma R & D orientation etc. The course duration is 3 months.
- c. Students of the institute are enrolled for the course and given choice for selection of the course of interest. Online examination is taken at the end of the course and assessment is done. 50% passing criterion is set to clear the examination.
- d. Certificates are issued under the joint name of NCRD's Sterling Institute of Pharmacy and Patlex Business Solution.

xii. Mid semester examination

- a. Conducted on completion of at least half the course syllabus
- b. Designing the mid semester question paper
- c. Examinations are conducted as per timetable
- d. Assessment is done.

xiii. Feedback on assessment

- a. Expected answers of question in the paper are discussed with the students
- b. Assessed answer sheets of mid semester examination are shown and discussed with students.

xiv. Improvement of academically weak students

- a. Students who score marks below 60% can be identified as academically weak student.

- b. Students are given extra guidance/ given assignments, whenever required, by course in-charges and prepared for the final examination.

xv. **Mentoring**

- a. Every faculty is assigned 15-20 students for mentoring.
- b. Every student fill the mentorship forms and submit it to the respective mentor.
- c. Mentoring sessions are conducted and students are mentored on personal and academic areas, as per the requirement.
- d. Record of mentoring is maintained.

xvi. **Co-curricular and extracurricular Activities**

Co-curricular activities bring their learning beyond the classroom. This helps students to do better academically. Extracurricular activities allow students to learn something that could stay with them for a lifetime, based on their hobby or passion. Sports are the key to develop teamwork, leadership, and problem-solving skills. Cultural activities require perseverance, hand-eye coordination and, above all, creativity. This, in turn, boost their academic performance as well. These are the skills that provide continued benefits long after their education is completed.

- a. Co-curricular and extracurricular activities are planned in every academic session budget is prepared and conducted as per plan.
- b. Guest lectures from experts are conducted under co-curricular activity and students feedback is maintained.
- c. Rx festival, annual day, sports day etc.. activities are conducted. Students also participate in Indian Pharmaceutical Association student Forum - Public Health Office activities.

xvii. **Analysis of the Student Feedback**

- a. Feedback on teaching methodology of faculty members and facilities is collected in mid semester from the students.
- b. Analysis of the feedback is done and summary is prepared
- c. Principal discusses feedback with every faculty and improvements are suggested.

xviii. **Final Semester Examination**

- a. Final semester theory exam timetables for first year to final year are send by the university of Mumbai
- b. Practical semester examination are conducted in the institute on behalf of University of Mumbai from first to Third year B.Pharm while for the final year B.Pharm University assign external examiners to conduct the semester practical examination.
- c. Question papers are sent by the University through Digital Exam Paper Delivery System (DEPD)
- d. For Final year B.Pharm assessment is done through OSM (Online Screen Marking) and for first to third year internal assessment is done.
- e. Results are declared by the University of Mumbai.

xix. **Summer Internship**

Summer training enables students to practice pharmacy profession in a strong skillful and determined manner. One month industrial training acquaint our students with actual operations of an industry. Our main goal is to provide early exposure to our students about the actual working experience in industries.

- a. All the students of First year B. Pharm are placed in pharmacy shops for 4 weeks, second year B. pharm are placed in UHC's (Urban health care centers) for 1 weeks and Third year students are placed in pharmaceutical industries for 4 week training program.
- b. Training reports and supervisor feedback are collected by the placement committee.

xx. **Result Analysis**

- a. Results are declared by University of Mumbai
- b. Analysis report of all the courses in the semester is prepared by the examination committee.
- c. Course in- charges are informed to take corrective measures to improve the results.

xxi. CO-PO attainment

- a. Average marks for each course is calculated
- b. Levels are set for the CO-PO attainment
- c. CO-PO attainment is calculated.

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

Institute Marks : 20.00

2020-21

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	No of students Present	Relevance to POs
1	Student training	Virtual training	20/08/2021	Shared video link with student	65	PO1, PO2, PO3
2	Training in Hos	Virtual training	06/08/2021	Shared video link with student	76	PO1, PO2, PO3
3	Industrial training	Virtual training	06/07/2021	Shared video link with student	76	PO1, PO2, PO3
4	Overview of R&D	Pharma Talks (	21/11/2020	Mrs Kanchan Deodhar, Ass	55	PO1, PO6, PO7
5	COVID-19 Awareness	COVID-19 Awareness	02/12/2020	Conducted by institute	14	PO5, PO6, PO7
6	Inculcation of soft skills	Rural Outreach	24/01/2021	Conducted by institute	12	PO5, PO6, PO7
7	QbD and Design	Pharma Talks (	30/01/2021	Mr Deepak Singh, Head R&D	52	PO1, PO6, PO7
8	Applications of R&D	Pharma Talks (	13/02/2021	Dr Praful Gupta, Senior Executive	65	PO1, PO6, PO7

2019-20

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	No of students Present	Relevance to POs
1	Student training	Online training	22/10/2020	Practicing Pharmacist at Me	58	PO1,PO2, PO3
2	Training as hos	Virtual training	22/10/2020	Shared video link with student	62	PO1,PO2, PO3
3	Industrial training	Virtual training	22/10/2020	Shared video link with student	54	PO1,PO2, PO3
4	Entrepreneurship	Pharma Talks (	19/09/2019	Mr. Sager Chandani, Head,	46	PO1, PO6, PO7
5	Stress Management	Pharma Talks (	20/01/2020	Mrs. Vasundhara Jakka Fo	55	PO1, PO6, PO7,
6	Inculcation of soft skills	Cleanliness Drive	02/10/2019	Conducted by institute	40	PO5, PO6, PO7
7	Inculcation of soft skills	Rural outreach	08/01/2020	Conducted by institute	14	PO5, PO6, PO7

2018-19

S.No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	No of students Present	Relevance to POs
1	Student training	Students were	01/06/2019	Practicing Pharmacist at Me	54	PO1,PO2, PO3
2	Training as hos	Students place	01/06/2019	Dhanashri Katke, Asst. Hea	61	PO1,PO2, PO3
3	Industrial traini	Students were	01/06/2019	General Manager of the ph	53	PO1,PO2, PO3
4	Tuberculosis a	Seminar arran	27/07/2018	Dr MukulThorat Physician	40	PO1, PO6, PO
5	Interview Etiqu	Pharma Talks (	21/09/2018	Dr UlhasKarkhanis, Associa	45	PO1, PO6, PO
6	Osteoporosis :	Pharma Talks (	08/03/2019	Dr MRs MRinal M Sanaye, .	65	PO1, PO6, PO
7	Role of HPTLC	Seminar arran	14/03/2019	Shri Shahrukh Barucha, Sr	44	PO1, PO6, PO
8	Inculcation of s	Generic vs Bra	18/11/2018	Conducted by institute	22	PO1, PO6, PO
9	Inculcation of s	Disease aware	27/09/2018	Conducted by institute	60	PO1, PO6, PO

2.1.3 Adherence to Academic Calendar (10)

Institute Marks : 10.00

Academic calendar provides a concise map of all important academic events planned for that academic year. At our institute the academic calendar is prepared at the commencement of the academic year. It was made in two parts, one for each semester.

The main contents of the academic calendar are as follows-

1. Academic term schedule
2. Committees of faculty
3. Internal Examination Schedule
4. Co-curricular activities schedule
5. Extracurricular activities
6. Industrial visits schedule
7. Placement schedule
8. Academic, Individual faculty, classroom, Laboratory time tables
9. Faculty workload
10. Semester planners of individual faculty

Enclosure 2.1: Short Academic Calendar AY 2020-21

NCRD's STERLING INSTITUTE OF PHARMACY, Nerul, Navi Mumbai

ACADEMIC CALENDAR 2020-2021

First term	2 nd July 2020-28 th November 2020	Actual dates of conducting the activity
JULY		
Commencement of S.Y, T.Y, and Final year B.Pharm	First week of July 2020	2 nd July 2020
Orientation Program for S.Y, T.Y and Final Year B.pharm Students	First week of July 2020	2 nd , 3 rd July 2020

Syllabus Orientation, By: Dr S.Aundhkar,Assistant Professor, Sinhgad Institute of Technology, Pune, Maharashtra	First week of July 2020	6th July 2020
Syllabus orientation, By: Bhagyashri Joshi,Asst. Prof. Pharmaceutics,MET Institute of Pharmacy,Bandra West,Mumbai	Second week of July 2020	14 th July 2020
IPA- PHO Activities	As per IPA Protocol	Annexure attached
AUGUST		
Independence Day Celebration	15 th Aug 2020	15 th Aug 2020
SEPTEMBER		
Virtual Teacher's day celebration	First week of September 2020	5 th Sep 2020
Value added program: 1. Startups and Entrepreneurship (T.Y.B.Pharm) 2. Pharma R&D Orientation	7 th Sep-2 nd Oct 2020	7 th Sep-2 nd Oct 2020
CVS-ACE Inhibitors By: Dr.Kamlesh Soni , Assoc.Professor Viva COP	Second week of September 2020	9 th Sep 2020
Drugs and Cosmetics Act and Rules and Drugs and Magic Remedies (OA) Act By: Nilesh Gandhi, B. Pharm, L.L.B. Proprietor, Pharm Astute, Former Assistant Commissioner (Drugs), Food and Drug Administration, Maharashtra, Mumbai	Second week of September 2020	15 th Sep 2020
Virtual World Pharmacist Day celebration	Last week of september	25 th Sep 2020
S.Y.B.Pharm 1 st sessional Theory exam	Last week of september	28 th Sep-1 st Oct 2020
OCTOBER		

Value added program: 1. Startups and Entrepreneurship (T.Y.B.Pharm) 2. Pharma R&D Orientation	7 th Sep-2 nd Oct 2020	7 th Sep-2 nd Oct 2020
T.Y.B.Pharm (Sem V) Periodic Theory exam	Third week of October 2020	21 st Oct-27 th Oct 2020
Final.Y.B.Pharm (Sem VII) Periodic Theory exam	Last week of October 2020	24 th Oct- 31 st Oct 2020
Distribution of groceries, medicines to needy people at Nerul.	Last week of October 2020	30 th Oct 2020
NOVEMBER		
QUIZ competition	First week of November 2020	1 st -10 th Nov 2020
Overview of Regulatory agencies, ICH guidelines, USFDA and WHO guidelines By: Mrs Kanchan Deodhar, Assistant Manager, Regulatory affairs in Cipla Ltd, Mumbai	Third week of November 2020	21 st Nov 2020
Spectroscopic identification of Phytoconstituents By: Dr Chhaya Gadgoli, Professor and HOD, SVB COP, Dombivali.	Last week of November 2020	27 th Nov 2020
Sensorial evaluation of cosmetic products. By: Dr. Renuka Thergaonkar, Director at R & D Global Consultants Pvt Ltd, Thane, Maharashtra, India.	Last week of November 2020	28 th Nov 2020
S. Y. B. Pharm (Sem III) 1 st sessional Practical exam	13 th Nov-3 rd Dec 2020	13 th Nov-3 rd Dec 2020
DECEMBER		
COVID-19 Awareness campaign and Distribution of sanitizer, mask and counselling of common public at Nerul Railway Station.	First week of December	2 nd Dec 2020
Final.Y.B.Pharm (Sem VII) Periodic Practical exam	1 st Dec-12 th Dec 2020	1 st Dec-12 th Dec 2020

T.Y.B.Pharm (Sem V) Periodic Practical exam	3 rd Dec-6 th Dec 2020	3 rd Dec-6 th Dec 2020
S.Y.B.Pharm (Sem III) 1 st sessional Theory exam	4 th Dec-8 th Dec 2020	4 th Dec-8 th Dec 2020
S.Y.B.Pharm (Sem III) 2 nd sessional Practical exam	9 th Dec-12 th Dec 2020	9 th Dec-12 th Dec 2020
T.Y.B.Pharm(Sem V) Semester Theory exam	14 th Dec 2020-2 nd Jan 2021	14 th Dec 2020-2 nd Jan 2021
Final.Y.B.Pharm(Sem VII) Semester Theory exam	15 th Dec 2020 -28 th Dec 2020	15 th Dec 2020 -28 th Dec 2020
S.Y.B.Pharm (Sem III) Semester Theory exam	19 th Dec 2020-28 th Dec 2020	19 th Dec 2020-28 th Dec 2020
T.Y.B.Pharm (Sem V) Semester Practical exam	30 th Dec 2020-1 st Jan 2021	30 th Dec 2020-1 st Jan 2021
Final.Y.B.Pharm (Sem VII)Semester Practical exam	31 st Dec 2020-2 nd Jan 2021	31 st Dec 2020-2 nd Jan 2021
JANUARY		
Second term	11th Jan 2021-15th April 2021	
Commencement of S.Y, T.Y, and Final year B. Pharm	Second week of January 2021	11 th Jan 2021
Orientation Program for S.Y, T.Y and Final Year B. Pharm Students	Second week of January 2021	11 th , 12 th Jan 2021
S. Y. B. Pharm (Sem III) Semester Practical exam	1 st Jan-5 th Jan 2021	1 st Jan-5 th Jan 2021
Placements: Pitchman Communications Pvt Ltd	Third week of January	23 rd Jan 2021
Rural Outreach Campaign- Kherwari Village, Panvel	Third week of January 2021	24 th Jan 2021
QbD and Design of Experiments By: Mr Deepak Singh, Head R&D Sales, Gansons Ltd.	Last week of January 2021	30 th Jan 2021
FEBRUARY		
Commencement of F. Y. B. Pharm (Sem I)	First week of February 2021	4 th Feb 2021
Orientation Program for F. Y. B. Pharm	First week of February 2021	4 th , 5 th Feb 2021

Placement: Medlife international Pvt Ltd	First week of February 2021	5 th Feb 2021
Virtual Annual Day Celebration	First week of February 2021	6 th Feb 2021
Applications of Chem Draw By: Dr Praful Gupta, Senior Executive and Technical Head, Organic Scientific Gurgaon	Second week of February 2021	13 th Feb 2021
Career opportunities in Pharmacovigilance By: Vitthal Nagne, Sr Executive, Pharmacovigilance Department, Sun Pharma, Mumbai	Second week of February 2021	14 th Feb 2021
Campus Placement	February to April 2021	February to April 2021
MARCH		
T.Y.B.Pharm (Sem VI) Periodic Practical exam	8 th March-12 th March 2021	8 th March-12 th March 2021
T.Y.B.Pharm (Sem VI) Periodic Theory exam	15 th March-20 th March 2021	15 th March-20 th March 2021
Final.Y.B.Pharm (Sem VIII) Periodic Practical exam	8 th March-12 th March 2021	8 th March-12 th March 2021
Final.Y.B.Pharm (Sem VIII) Periodic Theory exam	15 th March-20 th March 2021	15 th March-20 th March 2021
S.Y.B.Pharm (Sem IV) 2 nd Practical Theory exam	22 nd March-25 th march 2021	22 nd March-25 th march 2021
APRIL/MAY		
S.Y.B.Pharm (Sem IV) 2 nd sessional Theory exam	5 th April -9 th April 2021	5 th April -9 th April 2021
S.Y.B.Pharm (Sem IV) Semester Theory exam	As per University	24 TH April to 29 th April 21
T.Y.B.Pharm (Sem VI) Semester Theory exam	As per University	4 th May to 18 th May 21
Final.Y.B.Pharm (Sem VIII) Semester Theory exam	As per University	3 rd May to 19 th May 21

ACADEMIC CALENDAR 2019-20

First Term	8 th July 2019 – 21 st December 2019	Actual dates of conducting the activity
JULY		
Commencement of S.Y, T.Y. and Final Year B.Pharm	Second week of July 2019	10 th July 2019
Orientation Program for S.Y, T.Y. and Final Year B.Pharm Students	Second week of July 2019	10 th , 11 th July 2019
IPA- PHO Activities	As per IPA Protocol	Annexure attached
AUGUST		
Commencement of F.Y. B. Pharm	Second week of 2019	13 th August 2019
Orientation Program for F.Y. B. Pharm students	Second week of 2019	13 th August 2019 to 16 th August 2019
Career counseling by Placement committee	Second week of 2019	13 th August 2019
Independence Day Celebration	15 th August 2019	15 th August 2019
SEPTEMBER		
Ganapati Festival	First week of 2019	2 nd September 2019
Teacher's Day Celebration	5 th September 2019	5 th September 2019
Entrepreneurship By: Mr. Sager Chandani, Head, CIBA Mentor at Start up india	Third week of September 2019	19 sept 2019
Extra-Curricular Activity: World Pharmacist Day Rally	Last week of September 2019	25 th September 2019
Periodic Practical Exam for T.Y.B.Pharm (Sem V) and Final Year B. Pharm (Sem VII)	16 th Sept 2019 to 19 th Sept 2019	16 th Sept 2019 to 19 th Sept 2019
Periodic Theory Exam for T.Y.B.Pharm (Sem V) and Final Year B. Pharm (Sem VII)	23 rd Sept 2019 to 28 th Sept 2019	23 rd Sept 2019 to 28 th Sept 2019
First sessional practical exam for F.Y. B. Pharm (Sem I) R-2019	30-Sept to 05-Oct 2019	30-Sept to 05-Oct 2019

OCTOBER		
Formulation Development With Large Scale Manufacturing Layout for Biphasic Dosage Form, Semisolid and Aerosols Preparation By: Mr. Mayur Patni, Assistant Manager at Fusion Scientific Labs, Rabale, Navi Mumbai (For Third Year B.Pharm Students)	Second week of October 2019	12 th October 2019
Heterocyclic chemistry By: Mr Pratip Chaskar (For Third Year B.Pharm Students)	First week of October 2019	11 th October 2019
Periodic Theory Exam for S.Y.B.Pharm (Sem III) and first sessional theory exam for F.Y. B. Pharm (Sem I) R-2019	7 th Oct to 14 th Oct 2019	7 th Oct to 14 th Oct 2019
Periodic Practical Exam for S.Y.B.Pharm (Sem III)	17 th Oct to 19 th Oct 2019	17 th Oct to 19 th Oct 2019
Semester Practical Examination for Final Year B.Pharm (Sem VII)	Third week of October (Tentative) To be declared by University of Mumbai	16 th Oct to 19 th Oct 2019
Diwali Vacation	25 th Oct to 12 th Nov 2019	25 th Oct to 12 th Nov 2019
NOVEMBER		
Second sessional practical exam for F.Y. B. Pharm (Sem I) R-2019	Last week of November (Tentative) To be declared by University of Mumbai	25 th Nov-30 Nov 2019
Second sessional theory exam for F.Y. B. Pharm (Sem I) R-2019	Last week of November (Tentative) To be declared by University of Mumbai	30 th Nov to 6 th Dec 2019
Semester Theory Examinations (Third and Final Year B.Pharm)	Mid November (To be declared by University of Mumbai)	6 th Nov to 28 Nov 2019
DECEMBER		
World AIDS Day	1 st December 2019	1 st December 2019

Semester Theory Examinations (First and Second Year B.Pharm)	Mid December (To be declared by University of Mumbai)	9 nd Dec- 23 th Dec 2019
Semester Practical Exam for Third Year B.Pharm (Sem V)	First week of December 2019 (To be declared by University of Mumbai)	2 nd Dec- 5 th Dec 2019
Second Term	7th January 2019 – 16th May 2019	
Commencement of T.Y. and Final Year B. Pharm	Second week of December 2019	16 th Dec 2019
Orientation for T.Y. and Final Year B. Pharm students	Second week of December 2019	16 th , 17 th Dec 2019
Drug Regulatory Affairs as a career By: Mrs. Kanchan Bhide, Manager , Cipla Ltd.	Third week of December 2019	21 Dec.2019
JANUARY		
Sports Day	Third week of January 2020	17 th – 18 th January 2020
Rx Festival	1 st January-30 th January 2020	1 st January-30 th January 2020
Minithon	First week of January 2020	5 th January 2020
Rural Outreach Campaign	First week of January 2020	8 th - 9 th Jan 2020
Industrial Visit Adley labs, Chandigarh	Second week of January 2020	6 th January -14 th January 2020
Blood Donation Camp at Nerul and Vashi Station	Second week of January 2020	20 Jan 2020
Offbeat career choices after B.Pharm By: Mr. Vijay Shivpuje Director, Patlex Business Solution, Patent Agent	Second week of January 2020	20 Jan 2020
Stress Management By: Mrs. Vasundhara Jakka Founder, Mind spark Consultant	Second week of January 2020	20 Jan 2020
Republic Day Celebration	26 th Jan 2020	26 th Jan 2020
Motivation by Mr. Sachin Tayade, International Motivational Speaker	Last week of January 2020	30 th Jan 2020

FEBRUARY		
Annual Day	First week of Feb 2020	4 th February 2020
Coastal and Marine Biodiversity centre, Aeroli, Navi Mumbai	Second week of Feb 2020	8 th February 2020
Bioavailability and bioequivalence studies by Mr. Deepak singh	Second week of Feb 2020	15 th February 2020
First Sessional Practical Exam for F.Y.B.Pharm (Sem II) R-2019	11 th Feb to 14 th Feb 2020	11 th Feb to 14 th Feb 2020
Periodic Practical Exam for S.Y.B.Pharm (Sem IV) CBCS	24 th Feb to 26 th Feb 2020	24 th Feb to 26 th Feb 2020
Periodic Practical Exam for T.Y.B.Pharm (Sem VI) CBCS	27 th Feb to 29 th Feb 2020	27 th Feb to 29 th Feb 2020
Periodic Practical Exam for Final Y.B.Pharm (Sem VIII) CBCS	24 th Feb to 26 th Feb 2020	24 th Feb to 26 th Feb 2020
First Sessional Theory Exam for F.Y.B.Pharm (Sem II) R-2019	24 th Feb to 29 th Feb 2020	24 th Feb to 29 th Feb 2020
Campus Placement	February to April 2020	February to April 2020
MARCH		
Raman Spectroscopy- Applications in Pharmacy By: Mr Tanajee Chavan, Executive for Raman Spectroscopy,Lab India (For Final Y. B Pharm (Sem VIII)	Second week of March 2020	14 th March 2020
Periodic Theory Exam for S.Y. B.Pharm (Sem IV) CBCS	02-Mar to 07-Mar 2020	02-Mar to 07-Mar 2020
Periodic Theory Exam for T.Y. B.Pharm (Sem VI) CBCS	02-Mar to 09-Mar 2020	02-Mar to 09-Mar 2020
Periodic Theory Exam for Final Y. B.Pharm (Sem VIII) CBCS	02-Mar to 05-Mar 2020	02-Mar to 05-Mar 2020
Drug and Cosmetic Act 1940 By: Patlex Business Solution	Second/ Third week of March	20 th Jan .2020

Novel Drug Delivery systems By: Dr Abha Doshi, Principal, MET college of Pharmacy (For Final Y. B Pharm- Sem VIII students)	Second week of March 2020	13 March 2020
Semester Practical Exam for F.Y. B.Pharm (Sem II), S.Y. B.Pharm (Sem IV)	Second week of March 2020	11 th March-16 th March 2020
Semester Practical Exam for Final Year B.Pharm (Sem VIII)	Last week of March 2020 (To be declared by University of Mumbai)	As per University of Mumbai
APRIL/MAY		
Second Sessional Theory Exam for F.Y.B.Pharm (Sem II) R-2019	24-April to 30-Apr-2020	24-April to 30-Apr-2020
Second Sessional Practical Exam for F.Y.B.Pharm (Sem II) R-2019	26-May to 29-May-2020	26-May to 29-May-2020
Semester Theory Examinations (F.Y.,S.Y.,T.Y., Final Year B. Pharm examination)	As per University of Mumbai	As per University of Mumbai

Enclosure 2.3: Short Academic Calender AY 2018-19

NCRD'S STERLING INSTITUTE OF PHARMACY, Nerul, Navi Mumbai

ACADEMIC CALENDAR 2018-19

First Term	11th July 2019 – 31st November 2018	Actual dates of conducting the activity
JULY		
Commencement of S.Y, T.Y. and Final Year B.Pharm	11 th July 2018	11 th July 2018
Orientation Program for S.Y, T.Y. and Final Year B.Pharm Students	11 th , 12 th July 2018	11 th , 12 th July 2018

Application of Drug Physicochemical Characterization in Drug Discovery. <i>Dr Anita Menon, Manager, Site Operations, Analytics Solubility and Physicochemical Properties, MERCK , Germany</i> (Third and Final Year)	Third week of July 2018	25 th July 2018
Tuberculosis awareness <i>Dr MukulThorat</i> <i>Physician</i> (Third and Final Year)	Fourth week of July 2018	27 th July 2018
IPA- PHO Activities	As per IPA Protocol	Annexure attached
AUGUST		
Commencement of F.Y. B. Pharm	6 th August 2018	6 th August 2018
Orientation Program for F.Y. B. Pharm students	6 th , 7 th August 2018	6 th , 7 th August 2018
SEPTEMBER		
Ganapati Festival	Second week of September 2018	13 th september 2018
World Pharmacist Day	Third week of September 2018	25 th september2018
Interview Etiquettes and Resume Writing <i>Dr UlhasKarkhanis,</i> <i>Associate Dean, Pharma, IES College , Bandra, Mumbai</i> (Final Year)	Third week of September 2018	21 st September 2018
Basic Principles in Unit Operations in Pharma Industry <i>Mr Milind Jadhav,</i> <i>General Manager , Turbhe Chemicals Pvt Ltd , Navi Mumbai</i> (Second Year)	Third week of September 2018	21 st September 2018
Industrial Visit : Cipla, Patalganga	Fourth week of September 2018	29 th September 2018
OCTOBER		

Effect of food based intervention on blood glucose regulation and cardio metabolic risk factors in adolescents and young adults. <i>Dr Rekha Battarwal,</i> <i>Asso. Professor ,</i> <i>SVT College of Home Science, SNDT Women's University , Juhu,</i> <i>Mumbai</i> (First and Second Year)	Forth week of October 2018	29 th Oct.2018
Periodic Practical Exam For T.Y.B.Pharm (Sem-V) CBCS	09/10/2018 to 13/10/2018	09/10/2018 to 13/10/2018
Periodic Practical Final Year B.Pharm (Sem-VII) CBGS	09/10/2018 to 16/10/2018	09/10/2018 to 16/10/2018
Periodic Theory Exam For T.Y.B.Pharm (Sem-V) CBCS & Final Year B.Pharm(Sem-VII) CBGS	01/10/2018 to 08/10/2018	01/10/2018 to 08/10/2018
Periodic Theory Exam For S.Y.B.Pharm (Sem-III) CBCS & F.Y.B.Pharm (Sem-I) CBCS	08/10/2018 to 12/10/2018	08/10/2018 to 12/10/2018
Periodic Practical for S.Y.B.Pharm (Sem-III) CBCS	29/10/2018, 01/11/2018 to 02/11/2018	29/10/2018, 01/11/2018 to 02/11/2018
Periodic Practical F.Y.B.Pharm (Sem-I) CBCS	29/10/2018 to 31/10/2018	29/10/2018 to 31/10/2018
Semester Practical exam for Final Year B.Pharm (Sem-VII) CBGS	23/10/2018 to 26/10/2018	23/10/2018 to 26/10/2018
Semester Theory Exam for Final Y.B.Pharm Sem-VIII CBGS	08/10/2018 to 17/10/2018	08/10/2018 to 17/10/2018
NOVEMBER		
Diwali Vacation	05/11/2018 to 24/11/2018	05/11/2018 to 24/11/2018
Generic vs Branded skit	First week of November 2018	02. 11.2018
Semester Theory Exam for S.Y.B.Pharm Sem-IV CBCS	13/11/2018 to 04/12/2018	13/11/2018 to 04/12/2018
Semester Theory Exam for S.Y.B.Pharm Sem-IV CBGS	13/11/2018 to 04/12/2018	13/11/2018 to 04/12/2018
Semester Theory Exam for T.Y.B.Pharm Sem-V CBCS	12/11/2018 to 05/12/2018	12/11/2018 to 05/12/2018
Semester Theory Exam for T.Y.B.Pharm Sem-V CBGS	12/11/2018 to 26/11/2018	12/11/2018 to 26/11/2018
Semester Theory Exam for T.Y.B.Pharm Sem-VI CBGS	28/11/2018 to 11/12/2018	28/11/2018 to 11/12/2018
Semester Theory Exam for Final Y.B.Pharm Sem-VII CBGS	13/11/2018 to 29/11/2018	13/11/2018 to 29/11/2018
DECEMBER		
Career avenues in Pharmacy <i>Mr Rajesh Pandey, HR Manager, CIPLA ltd Patalganga</i> (Final Year)	Second week of December 2018	12 th Dec.2018

Career avenues at CIPLA		
<i>Mr Chandrahas Torgal. HR Manager, CIPLA ltd Patalganga</i> (Final Year)	Third week of December 2018	12 th Dec.2018
World Aids Day	First week of December 2018	1 st December 2018
First Aid Awareness	Third week of December 2018	1 st December 2018
Second Term		
		17th December 2018 – 31th April 2019
Commencement of T.Y. and Final Year B. Pharm	17 th Dec 2018	17 th Dec 2018
Orientation for T.Y. and Final Year B. Pharm students	17 th , 18 th Dec 2018	17 th , 18 th Dec 2018
Commencement of S.Y. B. Pharm	26 th Dec 2018	26 th Dec 2018
Semester Practical Exam for S.Y.B.Pharm (Sem-III) CBCS	01/12/2018 to 04/12/2018	01/12/2018 to 04/12/2018
Semester Practical Exam for T.Y.B.Pharm (Sem-V) CBCS	04/12/2018 to 13/12/2018	04/12/2018 to 13/12/2018
Semester Theory Exam for F.Y.B.Pharm Sem-I CBGS	11/12/2018 to 20/12/2018	11/12/2018 to 20/12/2018
Semester Theory Exam for F.Y.B.Pharm Sem-I CBCS	11/12/2018 to 20/12/2018	11/12/2018 to 20/12/2018
Semester Theory Exam for F.Y.B.Pharm Sem-II CBGS	12/12/2018 to 26/12/2018	12/12/2018 to 26/12/2018
Semester Theory Exam for F.Y.B.Pharm Sem-II CBCS	12/12/2018 to 26/12/2018	12/12/2018 to 26/12/2018
Semester Theory Exam for S.Y.B.Pharm Sem-III CBGS	10/12/2018 to 21/12/2018	10/12/2018 to 21/12/2018
Semester Theory Exam for S.Y.B.Pharm Sem-III CBCS	10/12/2018 to 19/12/2018	10/12/2018 to 19/12/2018
JANUARY		
Sports Day	Second week of January 2019	4 th and 5 th Jan 2019
Annual Day	Third week of January 2019	19 th Jan.2019
Semester Practical Exam for F.Y.B.Pharm (Sem-I) CBCS	03/01/2019 to 05/01/2019	03/01/2019 to 05/01/2019
FEBRUARY		
Industrial Visit : Unichem Lab, Goa	Last week of February	26 th Feb to 2 nd March 2019
Campus Placement	February to April 2021	Enclosure 2.7
MARCH		
Educational Field Visit: Apollo Hospital, Nerul / MGM Hospital, Vashi (For First year B.Pharm students)	First week of March 2019	1 st and 2 nd March 2019

Osteoporosis : A review <i>Dr MRs MRinal M Sanaye, Associate Professor , Pharmacology , Prin. KM Kundanani College of Pharmacy, Mumbai</i> (First and Second Year)	Second week of March 2019	8 th March 2019
Role of HPTLC in Herbal Drug Standardization <i>Shri Shahrugh Barucha, Sr Lab Manager, Anchrom , Mulund, Mumbai</i> (Third Year)	Second week of March 2019	14 th March 2019
Periodic Practical Exam For T. Y. B. Pharm (Sem-VI) CBCS	25/3/2019 to 27/3/2019	25/3/2019 to 27/3/2019
Periodic Practical Exam For Final Year B. Pharm (Sem-VIII) CBGS	11/03/2019 to 14/03/2019	11/03/2019 to 14/03/2019
Periodic Theory Exam For T.Y.B.Pharm (Sem-VI) CBCS & Final Year B.Pharm(Sem-VIII) CBGS	15/03/2019 to 23/03/2019	15/03/2019 to 23/03/2019
Periodic Theory Exam For S.Y.B.Pharm (Sem-IV) CBCS	16/03/2019 to 23/03/2019	16/03/2019 to 23/03/2019
Periodic Theory Exam For F.Y.B.Pharm (Sem-II) CBCS	15/03/2020 to 22/03/2020	15/03/2020 to 22/03/2020
Periodic Practical for S.Y.B.Pharm (Sem-IV) CBCS & F.Y.B.Pharm (Sem-II) CBCS	27/03/2019 to 29/03/2019	27/03/2019 to 29/03/2019
APRIL/MAY		
Industrial Visit: M.J.Biopharma Ltd./ Gelnova Labs-Turbhe (For Second Year B.Pharm Students)	First week of April	03/04/2019 04/04/2019
Semester Practical exam for Final Year B.Pharm (Sem-VIII) CBGS	08/04/2019 to 11/04/2019	08/04/2019 to 11/04/2019
Semester Practical Exam for F.Y.B.Pharm (Sem-II) CBCS	08/05/2019 to 10/05/2019	08/05/2019 to 10/05/2019
Semester Practical Exam for S.Y.B.Pharm (Sem-IV) CBCS	27/04/2019, 30/04/2019, 02/05/2019 & 06/05/2019	27/04/2019, 30/04/2019, 02/05/2019 & 06/05/2019
Semester Practical Exam for T.Y.B.Pharm (Sem-VI) CBCS	20/05/2019 to 23/05/2019, 25/05/2019 & 27/05/2019	20/05/2019 to 23/05/2019, 25/05/2019 & 27/05/2019
Semester Theory Exam for F.Y.B.Pharm Sem-I CBGS	25/04/2019 to 03/05/2019	25/04/2019 to 03/05/2019

Enclosure 2.4:

Extra- curricular/ Social Activities 2020-21

Sr. No	Date	Events
1.	05. 09. 2020	Virtual Teachers Day Celebration
2.	25. 09. 2020	World Pharmacist Day
3	30. 10. 2020	Covid-19 Awareness Campaign

4	1. 11. 2020 to 10. 11. 2020	Quiz Competition
5	20. 11. 2020	World Health Day
6	28, 29, 30. 11. 2020	Lockdown Awareness Campaign
7	2. 12. 2020	Counseling and distribution
8	23. 01. 2021	Hunt The Talent
9	24. 01. 2021	Innovation Campaign

Enclosure 2.5:

Extra- curricular/ Social Activities 2019- 20

Sr. No	Date	Events
1	02. 09.2019	Ganpati festival
2	25. 09.2019	Generic Vs Branded Skit
3	2 nd Oct 2019	Cleanliness Drive
4	11. 12. 2019	World AIDS day rally
	18. 12. 2019	Menstrual Health Campaign & Good Touch – Bad Touch Hand wash Awareness , Proper storage and Disposal of Medicines , First –Aid Awareness
5	3 rd , 4 th . 01. 2020	Annual Sports day
6	05.01. 2020	Sterling Half Marathon
7	8, 9.01. 2020	Rural outreach Topics – First aid awareness , Menstrual Hygiene , Awareness about diseases like TB & Cancer , Snakebite Awareness
8	20.01.2020	Blood Donation Campaign
9	04.02. 2020	Annual Day

Enclosure 2.6:

Extra- curricular/ Social Activities 2018- 19

Sr no.	Date	Events
1	13. 09.2018	Ganpati festival
2	27. 09.2018	World Pharmacist Day Celebration
3	15. 10.2018	Mental Health Awareness
4	20.10.2018	Infection awareness

5	18. 11.2018	Generic vs Branded skit
6	01. 12.2018	World Aids Day
7	14, 15. 12. 2018	Rural health awareness
8	16. 12.2018	First Aid Awareness
9	17. 12.2018	Rainwater harvesting Seminar
10	28. 12.2018	Menstrual Hygiene Campaign
11	07. 01. 2019	Blood Donation Campaign
12	5-19.01.2019	Diabetic event
13	12. 01. 2019	Cancer Campaign
14	10 th , 11 th . 01. 2019	Sports Day
15	21. 01. 2019	Annual Day

Enclosure 2.7: Placement Schedule

AY 2020-2021		
Sr no	List of company	Date of interview
1	Lupin Pvt Ltd	12/08/2021
2	Global Pricing Innovation Pvt Ltd	01/08/2021
3	Cognizant Pvt Ltd	05/07/2021
4	Advantmed Pvt Ltd	02/08/2021
5	Medlife International Pvt Ltd	25/06/2021
6	Shalina laboratories Pvt Ltd	25/06/2021
7	Aditya Birla Pvt Ltd	18/04/2021
8	Aycon Pvt Ltd	02/08/2021
9	Exetile Pvt Ltd	06/09/2021
10	TCS Pvt Ltd	27/09/2021
AY 2019-2020		
Sr no	List of company	Date of interview
1	Cipla Pharmaceutical Ltd	12/03/2020
2	Tata Consultancy Services Pvt Ltd	10/06/2019

3	Medlife Pvt Ltd	10/02/2020
4	Gibbs Pharmaceutical Ltd	18/01/2020 25/01/2020
5	Win Medicare Pvt Ltd.	05/01/2020
	AY 2018-2019	
Sr no	List of Company	Date of Interview
1	Cipla Pharmaceutical Ltd	18/12/2018
2	Tata Consultancy Services Pvt Ltd	22/01/2019
3	Cognizant Pvt Ltd	06/11/2019
4	Medlife Pvt Ltd	05/03/2019
5	Madhukar Harmones & Steroids Pvt. Ltd.	09/01/2019

2.2 Teaching-Learning Processes (110)

Total Marks 108.00

2.2.1 Initiatives in teaching and learning process (25)

Institute Marks : 23.00

The process of teaching and learning aims at transmission of knowledge, imparting skills and formation of attitudes, values and behavior. Learning is brought about through teaching. Teaching process is the arrangement of environment within which the students can interact and study how to learn. Teaching involves setting appropriate learning experiences for students, and for that purpose includes selection and sequencing of activities or kinds of interactions that would lead to expected learning. If suitable instructional strategies are employed, it would lead to effective learning and help in realizing the set program. Teaching is intended to learning, without learning teaching is incomplete.

The instructional strategies employed at the institute to make the teaching & learning effective have been listed and further explained below-

Initiatives in Teaching and Learning

- I. Session plans
- II. Course File
- III. Orientation / Induction Program
- IV. Expert Lectures
- V. Guest Lectures Series
- VI. ICT Tools in course delivery 1) PPTs 2) Videos/ Animations
- VII. Value Added Course
- VIII. Training in Industry/ Hospital
- IX. Mentoring
- X. Academically strong/ weak Learners
- XI. Lab Manuals
- XII. Assignments
- XIII. Class Tests

- XIV. Model /demo based Learning
- XV. Presentation on Self Study Topics
- XVI. Individual Experiments
- XVII. Evaluation of Experiment
- XVIII. Reward System for Students
- XIX. Field Visit
- XX. Parent Teacher Meeting
- XXI. Alumni Interaction / Lectures
- XXII. Language Lab

These initiatives are described below in paragraph along with sample form/formats: -

I. SESSION PLAN

One of the important components of effective teaching is by preparing a proper plan of delivery. Session plan is prepared by the teaching faculty.

Session plan is a process of planning the entire content of the program which has to be done before the commencement of the course. It serves as a guide for the teacher in conducive environment for worthwhile learning and purposeful activities.

In the session plan, course targets are set, which will clarify what the students should learn and accomplish. Having these course targets in mind, teachers can make decisions about which content to include, which teaching method to use and what kind of assignments and exams are appropriate.

Enclosure: 2.7- Session Plan

NCRD's Sterling Institute of Pharmacy								
SESSION PLANNER								
Academic Year:- 2019-20				Course:- F.Y. B.Pharm				
Semester:-II				Course Code:-BP2031 Biochemistry				
Name of Faculty:- Mr.Shrikant Bohara								
Total Lecture hours prescribed as per syllabus :- 45 Hrs								
Sr. No. (Allocated Hrs)	CO (Mention only Number)	PO (Mention Only Number)	Title /Details	Plan (From - To & No. of Lectures)	Actual Execution (From - To & No. of Lectures)	Teaching Methods (Mention Codes)	Assessment Techniques (Mention Codes)	
I-(8Hrs)	co1.co4	PO1,PO11	Introduction to biomolecules, Classification, chemistry, structures	14 JAN 2020	23JAN 2020	T1, T3	AT1,AT2,AT5	
	co1.co4	PO1,PO11	biological roles of carbohydrate	15 JAN 2020	24JAN 2020	T1	AT1,AT2	
	co1.co4	PO1,PO11	biological roles of lipids	16 JAN 2020	24 JAN 2020	T1	AT1,AT2	
	co1.co3.co4	PO1,PO11	biological roles of nucleic acid, amino acids, proteins	18 JAN 2020	27JAN 2020	T1	AT1,AT2	
	co1.co3.co4	PO1,PO11	study of bioenergetics, Laws of thermodynamics	21 JAN 2020	31JAN 2020	T1	AT1,AT2	
	co1.co3.co4	PO1, PO11	concept of enthalpy, entropy	22 JAN 2020	28JAN 2020	T1	AT1, AT2	
	co1.co3.co4	PO1, PO11	favorable and spontaneous reaction	25JAN 2020	29JAN 2020	T1	AT1, AT2	
	co1.co3.co4	PO1, PO11	AMP, ATP as signal transducer and energy carrier					
	II-(10Hrs)	co2.co3.co4	PO1,PO11	Introduction to carbohydrate metabolism	28 JAN 2020	30 JAN 2020	T1	AT1, AT2
		co2.co3.co4	PO1,PO11	Study of glycolysis	29 JAN 2020	05FEB 2020	T1	AT1,AT2,AT3
co2.co3.co4		PO1,PO11	Study of citric acid pathway	01 FEB 2020	11 FEB 2020	T1	AT1, AT2	
co2.co3.co4		PO1,PO11	Study of HMP pathway glycogen metabolic pathway	01 FEB 2020	15 JAN 2020	T1	AT1, AT2	
co2.co3.co4		PO1, PO11	Study of glycogen storage disease and glycogenesis	4 FEB 2020	18 FEB 2020	T1	AT1,AT2,AT3	
co2.co3.co4		PO1,PO11	study of hormone and hormonal regulation blood levels	5FEB.2020	19 FEB.2020	T1	AT1, AT2, AT3	
co2.co3.co4		PO1,PO11	Introduction to diabetes mellitus	8 FEB.2020	22 FEB.2020	T1	AT1, AT2	
co2.co3.co4		PO1,PO11	study of TTC	11 FEB.2020	25 FEB.2020	T1	AT1, AT2, AT3	
co2.co3.co4		PO1,PO11	Oxidative phosphorylation v/s substrate level phosphorylation	12 FEB 2020	26 FEB 2020	T1	AT1,AT2,AT3	
co2.co3.co4		PO1,PO11	uncouplers and inhibitors of oxidation					
III-(10 Hrs)	co2.co3.co4	PO1, PO11	Beta oxidation of palmitic acid	15 FEB.2020	29 FEB.2020	T1	AT1, AT2	
	co2.co3.co4	PO1, PO11	formation and utilization of ketone bodies	15 FEB.2020	29 FEB.2020	T1	AT1, AT2, AT3	
	co2.co3.co4	PO1, PO11	synthesis of palmitic acid cholesterol	18 FEB.2020	3 MARCH.2020	T1	AT1, AT2, AT3	
	co2.co3.co4	PO1, PO11	importance of cholesterol, steroid hormones, vitamin D	19 FEB.2020	4 MARCH.2020	T1	AT1, AT2	
	co2.co3.co4	PO1, PO11	Disorders of lipid metabolism- hypercholesterolemia, atherosclerosis	22FEB.2020	7 MARCH.2020	T1	AT1, AT2, AT3	
	co2.co3.co4	PO1, PO11	fatty liver and obesity, fatty liver and obesity	22 FEB.2020	7 MARCH.2020	T1	AT1, AT2, AT3	
	co2.co3.co4	PO1, PO11	amino acid metabolism	25 FEB.2020	10 MARCH 2020	T1	AT1, AT2, AT3	

	co2.co3.co4	PO1,PO11	catabolism of amino acids	26 FEB 2020	11 MARCH 2020	T1	AT1,AT2,AT3
	co2.co3.co4	PO1,PO11	synthesis and importance of 5HT, melatonin, dopamine, etc	29 FEB 2020	14 MARCH 2020	T1	AT1,AT2,AT3
	co2.co3.co4	PO1,PO11	catabolism of haem.	29 FEB 2020	14 MARCH 2020	T1	AT1,AT2,AT3
IV (10hrs)	co2.co3.co4	PO1,PO11	nucleic acid metabolism	27 FEB 2020	17 MARCH 2020	T1	AT1,AT2,AT3
	co2.co3.co4	PO1,PO11	biosynthesis of purine and pyrimidine	28 FEB 2020	18 MARCH 2020	T1	AT1,AT2,AT3
	co2.co3.co4	PO1,PO11	catabolism of purine nucleotide	29 FEB 2020	21 MARCH 2020	T1	AT1,AT2,AT3
	co2.co3.co4	PO1,PO11	organization of mammalian genomes	3 MARCH 2020	21 MARCH 2020	T1	AT1,AT2,AT3
	co2.co3.co4	PO1,PO11	structure of DNA and RNA	4 MARCH 2020	24 MARCH 2020	T1	AT1,AT2,AT3
	co2.co3.co4	PO1,PO11	Functions of DNA and RNA	7 MARCH 2020	25 MARCH 2020	T1	AT1,AT2,AT3
	co2.co3.co4	PO1,PO11	DNA replication	10 MARCH 2020	28 MARCH 2020	T1	AT1,AT2,AT3
	co2.co3.co4	PO1,PO11	transcription of DNA	11 MARCH 2020	28 MARCH 2020	T1	AT1,AT2,AT3
	co2.co3.co4	PO1,PO11	RNA synthesis	14 MARCH 2020	31 Mar 2021	T1	AT1,AT2,AT3
	co2.co3.co4	PO1,PO11	Genetic code	14 MARCH 2020	1 APR 2020	T1	AT1,AT2,AT3
V (7hrs)	co2.co3.co4	PO1,PO11	enzymes	17 MARCH 2020	4 APR 2020	T1	AT1,AT2,AT3
	co2.co3.co4	PO1,PO11	classification with examples	18 MARCH 2020	4 APR 2020	T1	AT1,AT2,AT3
	co2.co3.co4	PO1,PO11	kinetics of enzymes	21 MARCH 2020	7 APR 2020	T1	AT1,AT2,AT3
	co2.co3.co4	PO1,PO11	inhibitors and inducers of enzymes	21 MARCH 2020	8 APR 2020	T1	AT1,AT2,AT3
	co2.co3.co4	PO1,PO11	therapeutic uses of enzyme	21 MARCH 2020	11 APR 2020	T1	AT1,AT2,AT3
	co2.co3.co4	PO1,PO11	diagnostic use of enzyme	24 MARCH 2020	11 APR 2020	T1	AT1,AT2,AT3
	co2.co3.co4	PO1,PO11	inhibition study by plot	25 MARCH 2020	15 APR 2020	T1	AT1,AT2,AT3
			Extension Activities				Proposed Date
	1						
	2						
	3						
	4						

(Name & Signature of Faculty)

Name & Signature of Class representative

II. COURSE FILE

In the academic setup, a course file is essentially a document that includes all the necessary details regarding the batch assessment, and overall outcomes of the course. The contents of the course file maintained at the institute is as follows:

NCRDS STERLING INSTITUTE OF PHARMACY, NERUL, NAVI MUMBAI

COURSE FILE CONTENT

Serial number	Content
---------------	---------

1. Vision, Mission and Program Education Objectives
2. List of students
3. Syllabus copy
4. Course outcomes (CO) and mapping of COs with Program Outcomes (POs)
5. Time Table
6. Session Planner
7. Quiz/ class test/ assignments/ presentations (Allotment list/ handouts, sample copies, marksheet), if any
8. Remedial/ Tutorial/ academically strong students
9. Continuous evaluation sheet (Lab)
10. Study material (Index, Notes/ Handouts/ CD, list of reference books using for each topic and notes from books which are online or not available in library)
11. Record of periodic semester examination a. Periodic Question papers, b. Mark list
12. Record of university semester examination a. Question papers, including previous question paper (as per availability) b. Mark list
13. Evidence of expert lecture (if applicable)
14. Semester exam result analysis

III. INDUCTION/ ORIENTATION PROGRAM

Entering into new professional college can cause much anxiety in the heart of a new student because of all the unknowns– “Will I make any friends? How will I find all of my classes? Whom do I ask if I have a question?” Induction program is designed to guide students in answering all of these questions. Prior to the beginning of classes, students are given an overview of the complete realm of pharmacy profession, from academics to social activities, through a period of days referred to as induction. Typically, a staff member or team coordinates the induction program within the college. The program is conducted with three objectives:

- 1) introducing students to institutional environment;
- 2) acclimating students to their new surroundings; and
- 3) providing an opportunity for the college to meet the newest members of the community.

The coordinator of program designs the orientation program keeping these three objectives in mind. By planning appropriately and using all campus resources, induction program should relieve anxieties and prepare the new students for success.

Every year induction program is conducted in the college for First Year B.Pharm students.

On similar lines, the orientation program is conducted for Sem II to Sem VIII to introduce students to the curriculum of the semester.

IV. EXPERT LECTURE

To get insights from the industry and academic experts some expert lectures are arranged for all classes. Reasons for arranging expert lecturers are:

- Bringing speakers with proven expertise in a topic provides added credibility to our content.
- The experts can be from the industry or other institutes or from the same institute.
- There are topics with profound practical applications like pilot plant scaling, validation of equipment, dissolution study etc.in which, voices from the field seemed to carry as much or more credibility than those from the academic side.

Keeping these benefits in mind the college has initiated expert lectures in individual courses. The list is prepared and approved in the beginning of the academic year and individual faculty is responsible for conducting it in his/her course.

V. GUEST LECTURE SERIES

Guest lecture series was initiated at the institute with the purpose of;

- Updating the students about the current trends in pharmacy research & industry.
- Interaction with industry professionals for knowledge enhancement, inspiration and in making the right career choices.
- Getting to know the practical application of the theoretical knowledge.
- Bridging the gap between academia and industry.
- Improving industry- academia interaction as well as interaction with other teaching institutes.
- Enhancing soft skills in students for better placement.
- Motivating them towards entrepreneurship.

The difference between the lectures by expert and guest lecture is that experts speak on topics from the syllabus which require in depth knowledge and its current application in the industry while guest lectures are focused with the overall upgradation of the students.

VI. ICT TOOLS IN COURSE DELIVERY

Information and Communications Technology (ICT) can impact student's learning when teachers are digitally literate and understand how to integrate it into curriculum.

Institute uses a diverse set of ICT tools to communicate, create, disseminate, store, and manage information. Faculty at the institute has made lecture delivery interesting with power point presentations, videos and animations and use of interactive digital whiteboards.

VII. VALUE ADDED COURSES

The institute is keen on nurturing students to develop into competent professionals. Institute has introduced Value added Program which aims at bridging the gap between the industry and academia and getting students industry ready.

The institute has signed an MOU with Patlex Business Solutions under which students have enrolled for online courses in Drug discovery and bulk drugs, pharmacovigilance, Drug Regulatory Affairs, IPR, Start-ups and Entrepreneurship, Pharma R & D orientation etc.

Students of the institute are enrolled for the course and given choice for selection of course of interest. Online examination is taken at the end of the course and assessment is done. 50% passing criterion is set to clear the examination. Certificates are issued under the joint name of NCRD's Sterling Institute of Pharmacy and Patlex Business Solution.

VIII. TRAINING AT INDUSTRY AND HOSPITALS

The main reason pharmacy students need to do Industrial Training is that they are well prepared for a graduate job in their chosen field. It is an opportunity for them to put what they have learned during their graduation, to work in the kind of real-life situations. Industrial training gives students great experience during their Bachelor of Pharmacy program including:

- First-hand experience working as a pharmacy professional.
- Apply their technical knowledge and pharmacy methods to a real-life situations.
- Work with other pharmacy professionals.
- Experience what it's like to work in a professional organization.
- Development of technical, interpersonal and communication skills, both oral and written.
- Observe interactions of pharmacy with other professional groups.
- Witness the functioning and organization of business and companies.

Third year B Pharmacy students are placed in various pharmaceutical companies for the training program for 4 weeks. Students are required to submit industrial training report.

The practice of health care is inculcated in S. Y. B. Pharm students by inducting them for training at Urban Health Care Centers. UHC's (Urban Health Care) centers were established with an objective of improving health status of the urban poor particularly slum dwellers and other marginalized sectors of urban society. Students of S.Y. B Pharm are placed in UHC's (Urban Health Care) centers for training program of 7 days duration during their summer vacation. They are trained in aspects of pharmaceutical care including counseling with help of Navi Mumbai Municipal Corporation.

First year B. Pharm students are trained at chemist and druggist outlets where they learn skill of dispensing medicine and counseling, in summer vacations.

IX. MENTORING

The college has a mentorship system for all the students of B. Pharmacy. All the faculty members are mentors for 18-20 mentees. The purpose of the mentorship is to gear the students to meet the program education objectives.

Functioning of Mentoring System:

1. The mentors guide respective mentees about the syllabus and discuss any difficulty with respect to the curriculum, thereby help them in studies.
2. The mentors identify the strengths of their mentees and advise them accordingly, which is helpful for their all-round development.
3. Mentors help their mentees by seeing their positive side, thereby supporting and encouraging the career advancement of their mentees.
4. Counseling is the important function of mentoring. Mentees are counselled regarding professional conduct and the culture of the Institute and Community.
5. The fifth function of mentoring is befriending. Mentees need someone to whom they can speak freely.

X. ACADEMICALLY STRONG/ WEAK LEARNERS

Academically strong learners are identified as students whose CGPA is 8 and above and **Weak learners** are those students whose CGPA is 6 and below.

Students with good learning abilities are motivated by teachers to study important topics in different areas so as to help them develop interest in the pharmaceuticals. To give food for thought to these students in terms of small library or internet-based exercises/ searches that increase their curiosity in the subject.

Students are also given guidance for career planning. Academic toppers are given certificates, Trophy and a Cash prize in annual gatherings. They are also Guided and encouraged to participate in various competitions like Quiz, poster presentation etc.

Academically weak Learners are helped by making learning more illustrative with examples. In order to improve Students' performance, they are given assignments, counseling whenever required. Students are helped with snippets notes on certain difficult topics.

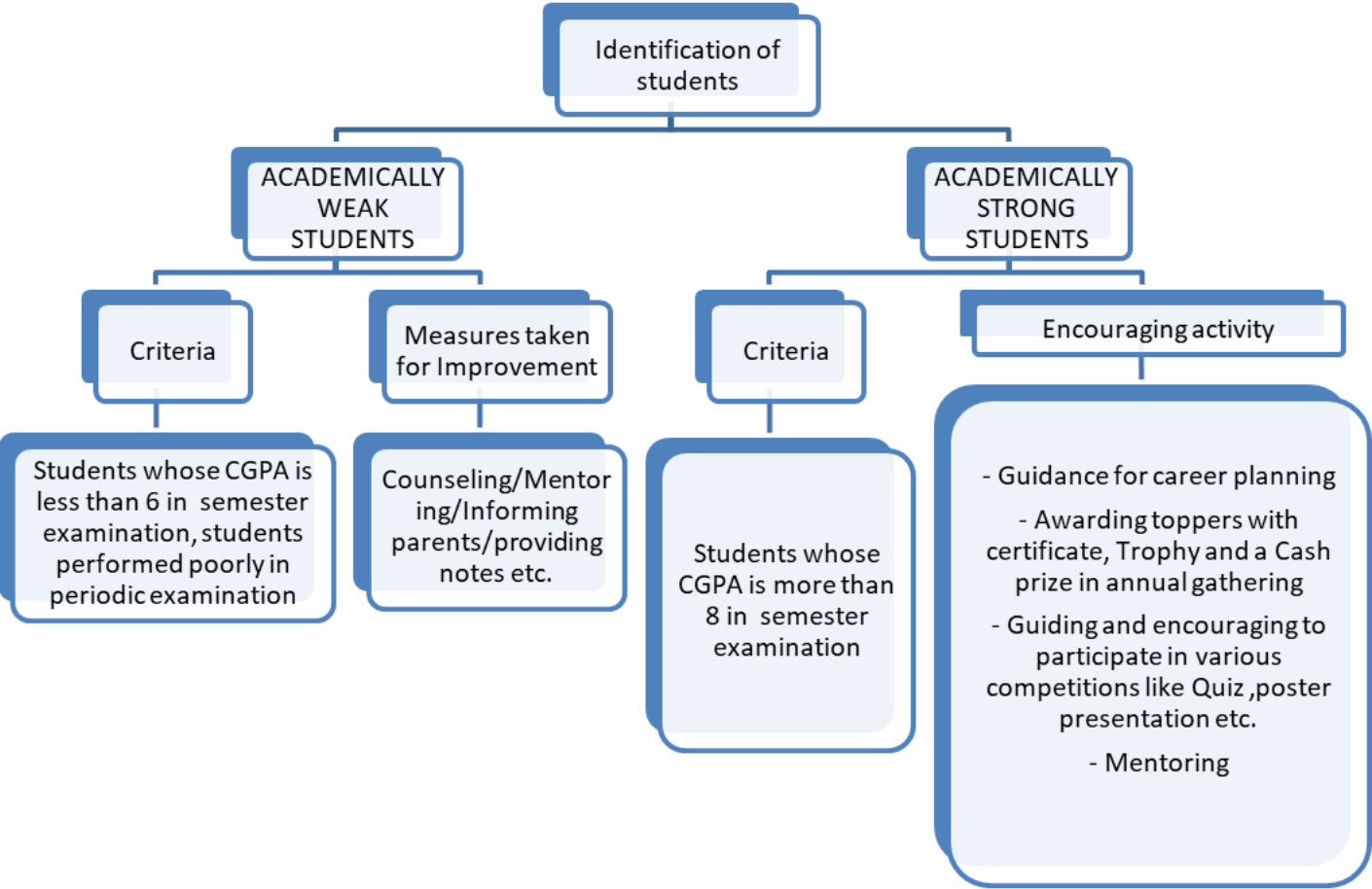


Fig 2.5: Activities for Academically Weak/ Strong Learners

XI. LAB MANUALS

The laboratory manual is a reference manual for the students performing practical in the laboratory. It provides students with information on the aim of experiment, principle of experiment, formula to be used, procedures to be followed and precautions to be taken during conduct of a particular experiment. It is prepared by the faculty who has been conducting the practical. Laboratory manual saves the student's time in writing the information and utilize the same in performing the experiment. It also helps the slow learners in better understanding.

Laboratory manuals are prepared by practical course in charges and circulated amongst students. The copy of the manual is kept in the laboratories.

XII. ASSIGNMENTS

When it comes to teaching, assignments are very important in education. Mostly students imagine that educational assignments are insignificant but the fact is that assignments are given to assist the students in self-study and clear their concepts or ambiguities regarding any subject.

The real purpose of assignments is to improve the learning skills of students. It is a proven scientific fact that academic assignments enhance the creativity in students as they learn a lot more when they practice or read something on their own. Hence, the basic reason of giving assignments is to provide a practical exposure to reading/ reference material and knowledge enhancement of the subject. For example, subjects like medicinal chemistry, organic chemistry, inorganic chemistry need keen learning and constant practice of subject, in order to get good marks and knowledge. According to saying that "More you practice the more you get".

Students are given different types of assignment based on requirement of the course like, textbook assignment or library-based assignment, problem assignment which encourages the use of references and stimulates reflective thinking.

There are number of advantages of assignments,some of them are given below:

- Knowledge Enhancement
- Developing Writing Skills
- Enhance Time Management and Organizing Skills
- Scope of Improvement
- Enhancing Research Traits

XIII. CLASS TEST

There are a number of forms of tests that can be taken in a classroom. The core reason behind taking these tests is that they give insight of each and every student of the classroom.

a. Multiple-choice tests:

It is one of the most common forms of tests that are taken in any classroom. These tests are taken in order to assess the complex concepts as well as the simple understandings of the student. Multiple-choice tests are specially designed to determine the readiness of a student in answering a specific question.

Sometimes, true-false tests are also taken, separately or as part of multiple- choice tests. Such tests are specially designed to determine the decision of a student on a specific question. This is probably one of the best ways to judge the concepts of a student. Technical terminology is required in order to prepare True-False tests.

b. Short/ long answer tests:

These tests include questions, answers of which can be given as per the marks allotted. These tests are designed to determine the brief but comprehensive answer to any specific question or concept.

Sometimes, problem based tests are also taken, wherein students are given a problem for which calculations are required to be done in stipulated time.

c. Oral Exams/ one-to-one interaction in classes or laboratories:

One-to-one interaction is a great way to assess the conceptual framework and learning of a student. Written tests may give a closer insight of the students conceptual framework and learning. But when a teacher hears to the concepts and ideas of student, it gives a more clear picture and helps teacher work on the problem areas.

XIV. MODEL/DEMO BASED LEARNING

Demonstration method is a teacher- centred method as the teacher demonstrates the pictures/ charts/models/experiments and explains the principles, concepts involved in these demonstrated materials or processes. The students observe the demonstration shown by the teacher and some of them participate in answering the questions asked by the teacher and draw conclusions.

Demonstration method is one of the most preferable methods of teaching because of its multiple benefits.

- The teacher explains the concepts during the experiment so that students clearly understand the concepts.
- During the demonstration the doubts of the students are cleared by the teacher at the same time.
- It reduces distraction and promotes sustained attention among the students and paves way for useful learning.
- It stimulates learning and attempts to retain student's interest

XV. STUDENT'S PRESENTATIONS

Students prepare presentations on topics given by teachers and present them in the classroom in front of other students in presence of subject in charge. This practice helps them enhance their communication and leadership skills. It also helps students to broaden their thinking.

XVI. INDIVIDUAL EXPERIMENT

Students are encouraged to perform the laboratory experiment individually (whenever possible) so as to develop good laboratory skills and leadership.

XVII. EVALUATION OF EXPERIMENT

Every experiment conducted as a part of the practical is assessed by various parameters. Students are encouraged to draw their own inferences from the experiment, which leads to critical thinking.

XVIII. REWARD SYSTEM FOR STUDENTS

(As per the circular dated 17th January 2019 from National Centre for Rural Development)

NCRD's Sterling Institute of Pharmacy, has announced award system for academically excellent students in each year of the four year degree program, in the following manner.

Table 2.2-1: Reward system for students

Sr No.	Academic Year	First Rank	Second Rank	Third Rank
1	First Year B.Pharm	Rs. 7500	Rs.5000	Rs.2500
2	Second Year B.Pharm	Rs. 7500	Rs.5000	Rs.2500
3	Third Year B.Pharm	Rs. 7500	Rs.5000	Rs.2500
4	Final Year B.Pharm	Rs. 10,000	Rs. 7500	Rs.5000

XIX. FIELD VISIT

The main objective of conducting a field trip for students is to reinforce experiential and contextual learning. Field trips are a way of enhancing classroom learning by making real world connections. Every year field visits are arranged for first to final year B.Pharm students in the hospital, pharmaceutical industry and herbal garden as an extension to the classroom learning.

XX. PTM (Parent Teacher Meeting)

Every year Parent Teacher Meeting is conducted for First, Second, Third and Final Year B.Pharm students by respective academic in charges, concerned teachers and examination in charges. Student's overall progress with respect to academics, examinations, extracurricular is discussed with parents.

XXI. ALUMNI INTERACTION

Interaction between the alumni and current students is encouraged by the institute. Alumni are invited to share their experiences and career growth thus motivating students completing their course.

XXII. LANGUAGE LAB

The purpose of Language Lab is to involve students to actively participate in language learning exercises to improve communication skills and get more practice than possible in a classroom.

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

Institute Marks : 10.00

As per credit and grading based semester system (CBSGS) by the University of Mumbai, the percentage of marks for end semester exam and internal (mid-semester) examination is 70 & 30 respectively and is 80& 20 for choice-based credit system (CBCS) implemented from A.Y. 2016-17 by M.U. The same for R-CBCS syllabus introduced in academic year 2019-20 is 75 & 25.

To ensure uniform attention of students in their work throughout the semester, periodic/ mid semester test is conducted as per guidelines stated by University of Mumbai.

75% attendance in theory & practical is mandatory for appearing for examination.

Question papers of the semester examination are sent online by Digital Exam Paper Delivery system to the college on the day of examination. Internal periodic/mid-semester question papers are set by the subject teachers. The question papers are submitted in sealed envelopes to the examination section.

In CBSGS pattern, in addition to mid-semester examination college conducts five class tests or quizzes for each course as a part of continuous evaluation system.

In CBCS, though it is not mandatory as per the curriculum, two class tests/ one assignment are given for each course to upgrade students' knowledge.

In R-CBCS, though it is not mandatory as per the curriculum, two class tests/ one assignment are given for each course to upgrade students' knowledge.

The question papers for theory courses of semester I to VIII are set by examiners and paper setters appointed by the university.

The assessment and moderation of answer books in theory courses in semester I to VI is carried out by the course in charges in the institute and for semester VII & VIII is conducted by University through CAP (central assessment program).

The faculty in charge of the examination section appoints examiners for practical examination after approval from the Principal for semesters I to VI and for semester VII & VIII appointment is done by the university.

NUES Subjects

The question papers for Non- University exam system (NUES) courses is set by paper setters, whose appointment has been approved by the Principal. The evaluation of the same is done at the institute level.

In the year 2019-20, for R-CBCS syllabus scheme for assessment is as follows

Table 2.2-2: AY 2019-20 Pattern (R 2019)

	Internal Assessment		End semester	Total of each Th/Pr courses
	Continuous mode	In year Mid-semester		
Theory	10M	15M	75 M	100 M
Practical	5M	10 M	35 M	50 M

Table 2.2-3: A.Y. 2016-17 pattern (CBCS)

	Internal Assessment		End semester	Total of each Th/Pr courses
	Continuous mode	Mid-semester		
Theory	5 M	15M	80 M	100 M
Practical	5 M	5 M	40 M	50 M

Table 2.2-4: A.Y. 2012-13 pattern (CBSGS)

	Internal Assessment		End semester	Total of each Th/Pr courses
	Continuous mode	Periodic		
Theory	15 M	15M	70 M	100 M
Practical	5 M	10 M	35 M	50 M

2.2.3 Quality of Students projects (15)

Institute Marks : 15.00

The best way to master a subject is by doing projects. Through a project one not only gets a deeper understanding of the subject but also gain hands-on practical experience.

Projects are generally done as a combined team effort. four to five students work under a guide to get a certain result. Doing a project will lead to

- Better understanding of the subject

- Get practical experience and develop critical thinking
- Opportunity to showcase skills
- Learn about team work, communication skills and responsibilities

The undergraduate pharmacy syllabus does not demand research activity in the CBCS system, but working on a project has many advantages as listed above.

Projects have been divided into different categories under CBCS system

Laboratory research based

Literature survey based

Case studies

Reviews

Detail literature on some problem or topic

Survey based

The syllabus of CBCS system prescribes a project of 200 marks in Final year B Pharm semester VIII syllabus .It is a group project. Each group has four to five students who work under supervision of faculty members. The guidelines for the same have also been prescribed by University of Mumbai.

This project is supervised or guided, and need regular interaction (at least once a week) with the supervisor/guide. Project group has to submit a project report and defend it in front of a panel of examiners. Evaluation of Project is conducted by two examiners. One examiner shall be the internal examiner (guiding teacher). The second examiner will be an External examiner who is appointed by the University.

The examination shall be as follows:

I. Evaluation of Project Report:

1. Objective(s) of project 20 Marks
2. Methodology adopted 30 Marks
3. Results and Discussions 25 Marks
4. Conclusions and Outcomes 25 Marks

Total 100 Marks

II. Evaluation of Presentation:

1. Presentation quality (audio-visual, content, format) 30 Marks
2. Verbal presentation quality/Communication 25 Marks
- 3.Viva and critical discussion 45 Marks

Total 100 Marks

NOTE: The 100 marks assigned to the project report are same for all the students in a group. The 100 marks assigned for presentation are awarded based on the performance of individual students in the given criteria. Both the examiners give marks out of 200 each, their individual marks are averaged to give the final marks. The dates for submission of reports, the dates for presentations are scheduled as per the guidelines of the University.

Guide allocation and Project Identification process

Guide allocation process:

- As per the guidelines received from University of Mumbai and the instruction for B.Pharm project mentioned in CBCS manual issued in the academic year 2016-17, a group of five learners in the eighth semester are required to undertake the project.
- After the declaration of result of Third Year Sem VI, the Principal convenes a faculty meeting for allocation of students group to each faculty member, so that sufficient time is available for students for planning and execution of the project work.
- The methodology used for allocation of faculty guides to the students is as mentioned below:

1. On the basis of performance of the students in Third year (including Sem V and Sem VI) students should be categorized into three groups depending on their SGPA's as 4 to 5.5, 5.6 to 7.5 and 7.6 to 10.
2. Chits of the students falling under the above three categories are prepared. In presence of the Principal, teachers pick one chit each from all the three categories.
3. Depending on the total number of students, the subsequent chits are picked up by faculty from those bunches which has maximum number of students.

Project identification process:

1. After the allotment of guide to the group of students, the respective faculty convenes a meeting with students for discussing and finalizing the topic of project work.
2. Respective guides discuss certain research areas on which students can work. They are suggested to find the information on some topic/s or a broad area by using journals, books and e- content.
3. The key points are discussed in the meeting, using which they can search and gather the information. The name of the journals available in library are told to them to find out the information. Students are advised by respective guides to make a separate copy for writing the information about topic they searched and date for the subsequent meeting to finalize the topic is conveyed to the students.
4. Opportunity is given to the students to find and select the topic of project according to their area of interest. Sufficient time period of 15 to 20 days is given to students to identify the area and finalize the topic.
5. In the next meeting, after considering the background work done by the students, guide's area of interest, feasibility and scope of work, the topic of project work is selected and finalized.

Continuous monitoring mechanism and evaluation :

1. Every group of students reports to their respective guides for appraising the status of work at least once in 15 days.
2. All the students in the group are required to maintain a notebook consisting the date wise breakup of work done regarding the project such as referencing, experimentation, analysis or field work if any.
3. The guides keep a track of the individual involvement, contribution and work done by every student for the completion of project work so as to be considered for evaluation.
4. The requisition for Chemicals / glassware / markers / equipments or any other item, if required to be procured for the project is forwarded to the store through the respective guide.
5. Balance Chemicals / glassware / markers / equipments or any other item purchased for the project or issued from the laboratory is returned to the store on completion of the project.
6. The students are provided with a draft format of final project report, using which they submit the final report to the respective guide and get certified.
7. A mock presentation is conducted before the final examination.
8. Students who are not in a position to complete the project or who miss the mock presentation or do not submit a hard copy of the certified report are not allowed to appear for the final presentation.
9. As per the CBCS manual issued by the University of Mumbai, the final project presentation is conducted as per the schedule issued by the University and is assessed by the External examiner appointed by the University and the respective project Guide.

Table 2.2-5: Final Year B. Pharm (sem VIII) 2019-20 Student Project List

Final Year B. Pharm (sem VIII) 2019-20 Student Project List				Name of the Guide
Sr. No.	Name of Student	Title of Project	Department/ Specialization	
1	Singh Sanjeev Ashok	Analysis of a drug by Chromatographic methods	Pharmaceutical Analysis	M.P.Jyothi
	Dumbre Amey Jalinder			
	Gharat Rutuja Anil			
	Thakur Shreya Prabhakar			
	Vaishampayan Purva Amod			
2	Sawant Vaishnavi Vijay	Evaluation of Antimicrobial activity of Marigold petal extract.	Pharmacognosy/Microbiology	Mamta Venna
	Sk Raja Mairuddin			
	Rasal Asmita Sadanand			
	Pande Mayuri Krishna			
	Harshada Shetye			
3	Deshmukh Amal Abdul Hafiz	Extraction and Evaluation of Food dyes in Ice popsicles.	Analysis/Microbiology	Prerana Sanas
	Bhoir Amruta Eknath			
	Rokade Mohini Babasaheb			

	Kamite Komal Bhimrao			
	Suvarna S. Channa			
4	Bhoir Janhavi Vinayak	Phytochemical Investigation and Evaluation of Antioxidant Activity of select Variety of Medicinal Plants.	Pharmaceutical analysis and Pharmacognosy	Dr Gouri Palsokar
	Qureshi Ali Munissa Mujib			
	Shelke Sayali Kisan			
	Yadav Saurabh Swaminath			
	Devasi Jayavant Khetaram			

Table 2.2-6: Final Year B. Pharm (sem VIII) 2020-21 Student Project List

Final Year B. Pharm (sem VIII) 2020-21 Student Project List				Name of the Guide
Sr. No.	Name of Student	Title of Project	Department/ Specialization	
1	Chakkarwar Kinnari Sakhahari	Study on COVID-19 vaccination	Pharmacology	Ms. Varsha Vaze
	Priyanka Yallappa Khilari			
	Vinay pandurang tekawade.			
	Siddhi Pradeep Gawand			
	Akash Mahadev Pokharkar			
2	Nikita Suresh Gharat	Review on Immunoherbs - todays need	Pharmacognosy	Dr. Archana Gorle
	Manisha sahendraprasad Yadav			
	Gaikwad Jagannath Shankarrao			
	Sonali Singh Tomar			
	Bhavana Ravindra Tawde			
3	Mohit Bharat Jain	Development and Evaluation of Gastroretentive Floating Tablet	Pharmaceutics	Mr. Prithish Kurumkar
	Jyoti Shivsharan Sutar			
	Jagtap Priti			
	Nikita Shailendra Mashilkar			
	Rohan Narayanlal Choudhary			
4	Vanshika Ravindra Bhoir	Review study of Effect of structural modification on antimicrobial activity of esters	Pharmaceutical Chemistry	Mr. Shrikant Bohorupi
	Harshada Shivaji Bhamare			
	Shraddha Santosh Balsaraf			
	Pooja Nandkumar Chavan			
	Ajay Sunil Jambhale			

Teaching-learning processes at the institute has been strengthened by various initiatives carried out under institute- industry – hospital connect.

- a. Summer Internship
- b. Memorandum of Understanding
- c. Value Added Courses
- d. Guest Lectures/ Expert Lectures
- e. Hospital/ Industry visit

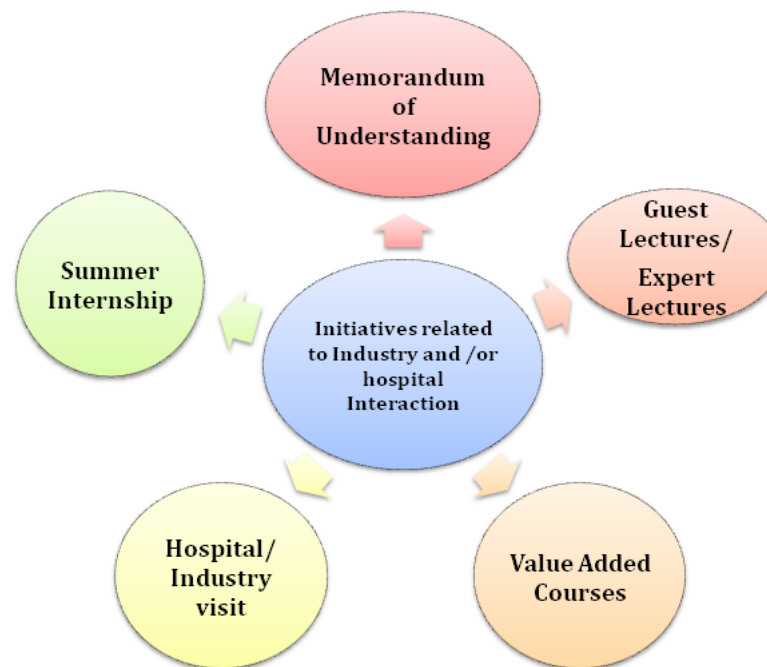


Fig 2.6: Initiatives related to industry and hospital interaction

a. Summer Internship Program

Summer internship includes, industrial training and training under a community pharmacist at chemist outlet carried out during the summer vacation by students of T. Y. B. Pharm and F. Y. B. Pharm, respectively. The short internship of one week duration is carried for students of S. Y. B. Pharm at UHC.

Industrial training provides an exposure to various aspects of pharmaceutical industry and gives students great experience during their Bachelor of Pharmacy degree including: First-hand experience working as a pharmacy professional.

The objectives of various trainings are to enable students to;

- Apply their technical skills and pharmacy knowledge
- Work with other pharmacy professionals.
- Increase their technical, interpersonal and communication skills, both oral and written.

Third year B Pharmacy students are placed in various pharmaceutical companies for 4 weeks training program during their summer vacation. During the training they work in production and quality control departments. Some industries allow hands on experience in certain departments, thus leading to enhanced learning. They are supposed to submit the final training report.

Pharmaceutical Care is patient-centered, outcome oriented pharmacy practice that requires the pharmacist to interact with the patient to promote health, to prevent disease, and to assess and monitor medication use to assure that drug therapy regimens are safe and effective.

The institute has MoU with a well-established hospital in the vicinity. There are activities like visit to the hospital pharmacy and lectures on different health issues held under this collaboration.

The Urban Health care Centers (UHC's) were established with an objective of improving health status of the urban poor population particularly slum dwellers and other marginalized sectors of urban society. **Students of S.Y. B Pharm are placed in UHC's (Urban Health Care) centers for training program of 7 days duration during their summer vacation.** This is done with the help of NMMC (Navi Mumbai Municipal Corporation).

One of the main opportunities of a pharmacist is serving as a community pharmacist and a patient counselor. **To provide exposure to this area, first year B Pharm students are placed for a four weeks training at the chemist/retail outlets.** They can observe ethical practices being followed diligently at all chemist shops. They also learn how drugs are stored, dispensed and how patients are counseled.

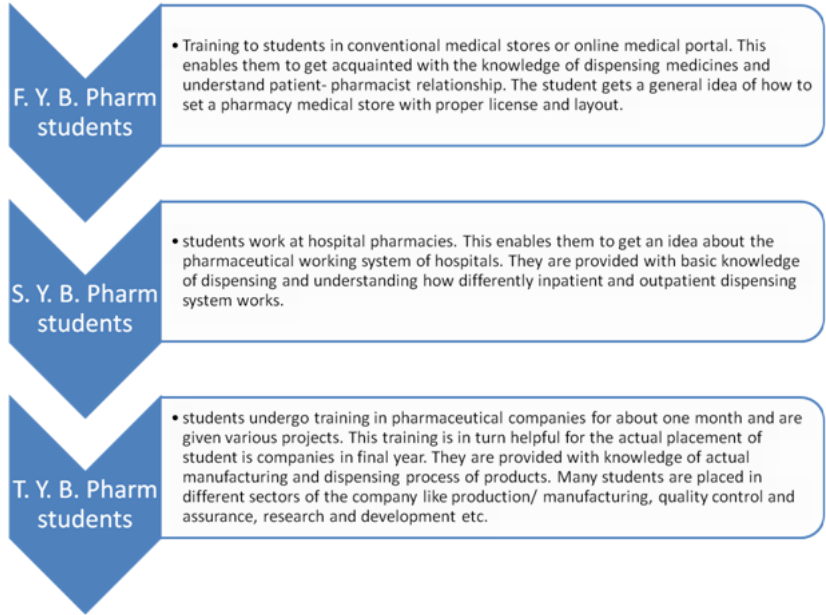


Fig 2.7: Summer Training Program

Sample Training Report

Student Practical Training
Performance Evaluation by the
institute

Name of the student:

Maryam Arif Pathan

Roll number: 1735 Year:

First Year (2017-18)

Address:

Shubham Residency, Flat no-502, Plot no-86,

—

Sector-1, Koparkhairne, Navi Mumbai

Pin code: 400709 Phone number:

9619562641

Practical Training Period: 1/6/18 to

7/6/18

NCRD'S STERLING INSTITUTE OF PHARMACY

Plot No. 93, Sector 19, Near Sea-Woods Railway Station, Nerul 400706

Training Supervisor Evaluation Form

PART A (TO BE FILLED BY STUDENT)

Student Name : Maryam Arif Pathan
Student roll No. : 1335
Organization : _____
Name Of Training Supervisor : Mr. Ramesh M. Choudhary
Training Supervisor Post : Head Pharmacist
Name Of Academic Supervisor : Mr. Deepak Parbhakar
Duration Of Training : 16/18 To : 18/18

PART B - TO BE FILLED IN BY TRAINING SUPERVISOR

Sr.no	EVALUATION CRITERIA	SCORE (out of 5)
1)	Discipline - having self control mentally and physically including the willingness to follow rules & regulations, on time and promise, showing patience, and presentable enough	4
2)	Communication effectiveness - student's ability to deliver whatever meaning, ideas & opinion and so on clearly, orderly and effectively either in verbal/ oral or written form.	3
3)	New skills development: Student's tendency and desire to get/ gain new knowledge and skills during training	2
4)	Efficiency: Student's ability to carry out duty within timeframe and complement weekly report perfectly.	3
5)	Relationship bonding and cooperation - valued from the aspect of loyalty, politeness, gracious, respect and ability to creating cooperate spirit.	4
6)	Attendance and Punctuality	5

Evaluation Score : Total (Average)

5 = Excellent 4 = Very Good 3 = Good 2 = Moderate 1 = Weak

Any specific comment :

Sign and seal
GANGA MEDICAL & GENERAL STORES
Shri. Prerna Phal - F4, Shop - 3/4, Sector - 12,
Kharghar Navi Mumbai - 410210

Prerna

NCRD's Sterling Institute Of Pharmacy
Student Feedback Form (In Plant Training)

Student Details

Student Name	Maryam Anis Daktun
Academic year and Class	2019-20 (First year)
Name of organization	
Duration of training	16/18 - 16/18

Feedback

We value your feedback! Please tell us if we helped in improving the following skills in you. Rate from 1 to 3 3: Excellent, 2: Good, 1: poor

Q.1: Does this training help you for the implementation of Pharmacy Knowledge to solve work related problem? Yes/No

If yes then Level: 1, 2, 3

If No justify:

Q.2: Does this training help you to understand the problem and to plan a solution to deal with new and complex problems? Yes/No

If Yes then level 1, 2, 3

If No justify

Q.3: Does this training is helpful for the for the understanding of usage of modern tool and technique effectively? Yes/No

If Yes Level 1, 2, 3

If No Justify

Q.4: Does this training is helpful for formation of professional identity and understanding of work ethics? Yes/NO

CERTIFICATE

This is to certify that Mr.
/Ms. Manoj Arif Pathan a student of NCRD's
sterling Institute of pharmacy. Has completed the training of one
week from 1/6/18 to 7/6/18 in chemist shop. In first year of B
pharm Degree course.

In the supervisor of

Ramesh M. Choudhary

Date: 9/6/18

Place: Khoryor, Navi Mumbai

GANGA MEDICAL & GENERAL STORES

Shri Prasanna Plot - F4, Shop - 34, Sector - 12,

Khadgaon Navi Mumbai - 410210

Sign & Stamp by supervisor

b. Memorandum of Understanding

To further enhance industry- institute-hospital connect and to build good rapport with the industry, our institute has signed Memorandum of Understanding (MoU) with them. Stated below is the list of industry with whom an MOU has been signed -

1. Patlex business solutions Pvt. Ltd.
2. MGM Hospital, Vashi, Navi Mumbai
3. Apollo hospital, Belapur, Navi Mumbai
4. Shalina laboratories Pvt. Ltd.
5. WOMCO Laboratories Pvt. Ltd.
6. Sain medicament Pvt Ltd.
7. Eastern Agency Healthcare Pvt ltd.
8. Carbon brand solutions

Enclosure 2.8: Sample of Memorandum of Understanding

**MEMORANDUM OF UNDERSTANDING FOR
ACADEMIC, PLACEMENT AND TRAINING COLLABORATION**

BETWEEN

NCRD's Sterling Institute Of Pharmacy, Nerul

AND

Apollo Hospitals Navi Mumbai

Purpose:

The purpose of this agreement is to promote collaboration with hospitals to learn the community pharmacy, Hospital administration, inventory control and management of drug distribution system.

Types of Collaboration:

Through this memorandum both the Parties affirm the value of international collaboration and agree to promote the following activities:-

1. Joint research projects/conferences/workshop/course in fields of mutual interests
2. Opportunities for faculty and staff training, knowledge sharing, exchange and sharing of facilities.
3. Assistance in grooming the students by providing skill oriented training in your hospitals.
4. Assistance in placement of students after their graduation.
5. Other activities as mutually agreed.

This agreement places no financial obligations or **supplementary funding commitments** on either Party. These activities will be defined through separate program agreement that details the commitment of resources (financial or otherwise) required by each institution. Subsequent program agreements must be approved in writing by authorized representatives of each institution.

Principal Dr. M. S. Gadge will serve as the primary liaison between the two institutions to facilitate the development of future activities.

Terms:

This agreement will become effective on date of signature of both Parties. It shall remain valid for a period of **1 year** from the date of last signature, with the understanding that it may be modified by

P.T.O.

written mutual content of both parties. This agreement may be terminated by either Party with advanced written notice of at least **30 days**. Upon notice of termination both Sterling Institute of Pharmacy and Apollo Hospitals Navi Mumbai agree to work in good faith to complete training unhindered by the termination. The agreement may be extended with the mutual consent of both the Parties after the 1 year period, and it must be renewed in writing.

This Memorandum of Understanding completed in English is hereby signed in two (2) copies with **one** copy remaining in possession of each institution.

FOR NCRD'S STERLING INSTITUTE OF PHARMACY:


 Dr. M. S. Gadge,
 Principal,
 NCRD's Sterling Institute of Pharmacy, Nerul



Date: 28/5/18

FOR Apollo Hospitals Navi Mumbai

For APOLLO HOSPITALS ENTERPRISE LTD.

 AUTHORIZED SIGNATORY
 Authorized Signatory

Date: 28/5/18

FOR THIRD PARTY CONSENT:

1. Mr. Jagdeep Chaudhan

 Date: 28/5/18
2. Kavanya Lata Pandey

 Date: 28/5/18
3. DR. NANGISH C

 Date: 28/5/18

c. Value Added Courses

The institute has signed an MOU with Patlex business solutions under which students were enrolled for online courses in drug discovery, pharmacovigilance and drug regulatory affairs.

Table 2.2-7: Value added courses

Sr. No.	Name of online Course	Contents of the course	No. of Students Enrolled (2019-20)
---------	-----------------------	------------------------	------------------------------------

1.	Online Certificate course in Drug Regulatory Affairs	a. Introduction to Regulatory Affairs b. Good Manufacturing Practices c. Overview of common technical documents d. Marketing authorization procedures/Dossier submission e. Terminologies related to DRA	70
2.	Online Certificate course in Pharmacovigilance	a. Basics of Pharmacovigilance b. Management of ICSR (Individual Case Study Reports) c. Management of PSUR (Periodic Safety Update Reports) d. Signal Management e. Risk Management Plan (RMP)	15
Sr. No.	Name of online Course	Contents of the course	No. of Students Enrolled (2020-21)
1.	Pharma R & D orientation	Details of Drug Discovery and Development	36
2.	Startup and Entrepreneurship	Concept of Start ups, Initiation, Hurdles etc.	24

d. Guest Lectures/Expert lectures

Guest lectures help students to improve their learning in a more interactive, topic specific way. These can be very helpful not only for the students, but can also contribute to the teachers knowledge and practices. Expert lectures are delivered to give better insight of the subject matter to students. Experts are identified on their knowledge and experience in industry or academia.

The difference between the lectures by expert and guest lecture is that experts speak on topics from the syllabus which require in depth knowledge and its current application in the industry while guest lectures are focused with the overall upgradation of the students. This initiative facilitates interaction with industry personnel and also contributes to reducing the gap between the industry and academia.

Table 2.2-8: Guest Lecture 2018-19, 2019-20 and 2020-21

Sr. No.	Topic	Name & Designation of speaker	Year
1	Literature Survey & Scientific Writing	Ms Sita VG, Research Scholar, ICT, Mumbai	2020-21
2.	QbD& Design of Experiments	Mr. Deepak Singh, Head, R and D Sales, Gansons Limited	2020-21
3.	Applications of Chem Draw	Dr Praful Gupta, Senior executive and Technical Head, Organix Scientific , Gurgaon	2020-21
5.	Career Opportunities in Pharmacovigilance	MrVithalNagane, Senior Executive Pharmacovigilance Department, Sun Pharma, Mumbai.	2020-21

6	Entrepreneurship	Mr. Sager Chandani, Head , CIBA, Mentor at Start up India	2019-20
7	Drug Regulatory Affairs as a career	Mrs. Kanchan Bhide, Manager Cipla Ltd.	2019-20
8	Offbeat career choices after B.Pharm	MrShivpuje, Patlex Business Solutions Pvt Ltd, Mumbai	2019-20
9	Stress Management	Mrs. Vasundhara Jakka, Founder, Mind Spark Consultant	2019-20
10	Motivation	MrSachinTayade ,International Motivational Speaker , SAKAL	2019-20
11	Bioavailability and Bioequivalence Studies	Mr Deepak Singh, Head R & D (sales) ,Gansons Ltd. Thane.	2019-20
12	Application of Drug Physicochemical Characterization in Drug Discovery	Dr Anita Menon, Manager, Site Operations, Analytics Solubility and Physicochemical Properties, MERCK , Germany	2018-19
13	Tuberculosis awareness	Dr Mukul Thorat Physician	2018-19
14	Interview Etiquettes and Resume Writing	Dr Ulhas Karkhanis, Associate Dean, Pharma, IES College , Bandra , Mumbai	2018-19
15	Career avenues in Pharmacy	Dr Rajesh Pandey , Pharma leader ,TCS , Mumbai	2018-19
16	Career avenues at CIPLA	MrChandrasahsTorgal. HR Manager, CIPLA ltd Patalganga.	2018-19
17	Osteoporosis : A review	Dr MRs MRinal M Sanaye, Associate Professor , Pharmacology , Prin. KM Kundanani College of Pharmacy, Mumbai	2018-19

18	“Role of HPTLC in Herbal Drug Standardization”	Shri Shahrukh Barucha, Sr Lab Manager, Anchrom , Mulund, Mumbai	2018-19
19	Effect of food based intervention on blood glucose regulation and cardio metabolic risk factors in adolescents and young adults	Dr Rekha Battarwal, Asso. Professor , SVT College of Home Science, SNTD Women’s University , Juhu, Mumbai	2018-19
20	Basic Principles in Unit Operations in Pharma Industry	Mr Milind Jadhav General Manager , Turbhe Chemicals Pvt Ltd , Navi mumbai	2018-19

e. Industrial visit /Hospital visit

The industrial/hospital visit is considered one of the most tactical methods of teaching. It provides students with an opportunity to learn practically through interaction, working methods and employment practices. Visiting a company or a hospital pharmacy gives students a practical perspective on the world of work; it gives them exposure to current work practices as opposed to possibly theoretical knowledge given in the college.

During Industrial visits, students visit various pharmaceutical companies and get insight regarding the internal working environment of a company and how a company functions, as well as useful information related to the practical aspects of the educational course which cannot be visualized in lectures.

Industrial tour is organized to visit a pharmaceutical industry outside the state. It is a week’s program which includes visits to pharma industry as well as site seeing. This tour also satisfies the same requirements that the industrial visit, but as it is organized outside the state there are other things the students get exposed to, like new culture, food, people etc. As they travel together there is team building and better interaction among the students. They learn to be more responsible for their actions, which leads to holistic development.

Hospital visits make student understand how pharmaceutical care is an inseparable part of hospital pharmacy.

Stated below are the details of such visits organized by the institute-

Table 2.2-9: Industrial / Hospital Visits 2018-19, 2019-20 and 2020-21

Industrial / Hospital Visits: (2018-19)

S.No.	B. Pharm Class	Industry/ Hospital	Date
1	Third year B.Pharm.	Cipla Ltd., Patalganga, Raigad	29 Sept 2018
2	Second year B. Pharm	Gelnova Laboratories Ltd., Mahape, Navi Mumbai	3,4 Apr 2019
3	Third Yr. B. Pharm	Unichem Laboratories, Goa	26 Feb 2019 to March 2, 2019

Industrial Visits: (2018-19)

Industrial Visits: (2019-20)

S.No.	B. Pharm Class	Industry/ Hospital	Date
1	T.Y. B.Pharm	Beta Drugs Ltd., Baddi, Dist.Solan (H.P.)	08/01/2020

2	S.Y. B.Pharm	Beta Drugs Ltd., Baddi, Dist.Solan (H.P.)	08/01/2020
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Hospital Visits: (2018-19)

S.No.	B. Pharm Class	Industry/ Hospital	Date
1	First Yr. B. Pharm	Apollo Hospital, Belapur, Navi Mumbai	1,2 Mar 2019

Field visit: 2019-20

S. No	Name of Industry	Class	Date
1	Coastal and Marine Biodiversity Centre, Airoli	F. Y. B. Pharm.	8 Feb 2020

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

Institute Marks : 10.00

To produce skilled, competent professionals ready for immediate employment it is imperative to provide students industrial training during their graduation.

Initiatives at the institute include a four weeks training of first year B Pharm students at a community pharmacy store under the head pharmacist there. Under this training they learn to dispense medicines accurately with or without prescription along with appropriate counselling. They also learn documentation at the pharmacy store.

The second year B Pharm students are placed at Urban health care Centers (UHC's) centers across Navi Mumbai. They are trained in aspects of pharmaceutical care including counselling. This is done with help of Navi Mumbai Municipal Corporation (NMMC).

Students of third year B Pharm are placed for a four weeks industrial training in pharmaceutical companies. Here they have an opportunity to explore their skill in different departments of pharma industry. The third year can actually try to correlate their theoretical knowledge to various sectors in pharma industry. They can understand current trends of the pharmaceutical industry.

Table 2.2-10: Initiatives related to summer Training

F. Y. B. Pharm students	F. Y. B. Pharm students undergo training in conventional medical stores. This enables them to get acquainted with the knowledge of dispensing medicines and understand patient- pharmacist relationship. The student gets a general idea of how to set a pharmacy medical store with proper license and layout.
S. Y. B. Pharm students	S. Y. B. Pharm students work at hospital pharmacies. This enables them to get an idea about the pharmaceutical working system of hospitals. They are provided with basic knowledge of dispensing and understanding how differently inpatient and outpatient dispensing system works.
T. Y. B. Pharm students	T. Y. B. Pharm students undergo training in pharmaceutical companies for about one month and are given various projects. This training is in turn helpful for the actual placement of student in companies in final year. They are provided with knowledge of actual manufacturing and dispensing process of products. Many students are placed in different sectors of the company like production/ manufacturing, quality control and assurance, research and development etc.

INDUSTRIAL TRAINING REPORT

For Partial Fulfillment of the Requirement for the Award of Degree Of

Bachelor of Pharmacy

For

University of Mumbai

NCRD'S STERLING INSTITUTE OF PHARMACY

Plot No. 93, Sector - 19, Nerul (E),

Opposite to Seawood Railway Station, Navi Mumbai,

Maharashtra 400706

By

Tanvi Vijay Arban

Third Year Pharmacy

Academic Year 2018-19

Exam Seat No: 1603



Wanbury Ltd.
Neelkamal Building, 11nd Floor,
Sanghvi Estate, Govandi Stn. Road,
Mumbai-400 088
Tel. : +91-22-6153 2000
+91-22-6153 2011
Fax: +91-22-6153 2040
+91-22-2557 2396

DATE: 9th July 2019

CERTIFICATE

This is to certify that Ms. **Tanvi Arban** Third Year B. Pharm. Student of NCRD's Sterling Institute of Pharmacy, Nerul, Navi-Mumbai, has completed the One month training in partial fulfillment of the requirement for B. Pharm at Wanbury Ltd. The period of training was from 10th June 2019 to 9th July 2019, during the above period her conduct and attendance found satisfactory.

We wish her all the best in her future endeavors.

Regards,

A handwritten signature in black ink, appearing to read 'K.R.', is written over a horizontal line.

Kedar Raje.
Senior Manager QA, QC, ADL
Wanbury Ltd.

ACKNOWLEDGEMENT

I would like to thank our Principal Sir and Teachers for providing us opportunity to undergo summer internship training in Pharmaceutical industry i.e Wanbury Limited. I take this opportunity to express my sincere gratitude towards Mr. Vijay Ayare (Plant head) and Mr. Kedar Raje (Head of QA, ADL, QC, RA Department) for their constant encouragement and guidance. Also, I acknowledge the support of Mr. Sankesh Khetam, Mr. Shrirang Rewale, Mr. Vikram Pawar, Mr. Siddhesh Gurav, Mr. G.K. Rane and Mr. Muzammil Ansari for the encouragement and time to time rendering facilities and kind co-operation during the training. I would also thank Mrs. Nisha Thorat for providing reference.

Wanbury Limited is located at Govandi. The duration of training was **10th June 2019 to 09th July 2019.**

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4	QUALITY CONTROL DEPARTMENT	25
5	PACKAGING	27
6	STORAGE	29

Following methods of continuous evaluation are implemented in the Institute:

- **CBSGS Curriculum**

1. REGULAR CLASS TEST (Maximum Marks: 5)

Minimum of 5 class tests/ assignments are conducted at regular intervals during each semester.

2. CLASS INTERACTION (Maximum Marks: 5)

Students are marked for class participation and interaction.

3. PERIODIC TEST (Maximum Marks: 15)

One periodic test is conducted during each semester on completion of 3/4th of the syllabus

Question paper is set by the subject incharge and reviewed by the Principal and after approval submitted to the examination section.

The questions paper is set based on the course outcomes and attainment of program outcome is calculated

4. DAILY ATTENDANCE MONITORING (Maximum Marks: 5)

Attendance above 90% : 5 Marks

85%-89% : 4 Marks

80% - 84% : 3 Marks

75%-79% : 2 Marks

Below 75% : Zero

- **CBCS Curriculum**

For Theory

Internalassessment		End SemesterExam.	Total for eachTheoryCourse
Continuous mode(Attendance)	Mid-Semester Exam(PeriodicTest)		
5 Marks	15 Marks	80 Marks	100 Marks

For Practicals

Internalassessment	EndSemester Exam.		Total for each Practical
Continuousmodeofevaluation (JournalAssessment)	Continuousmode(Attendance)	Mid-SemesterExam(PeriodicTest)	

1/3 rd of the 15% marks for internal assessment, rounded off to the nearest whole number	2.5 Marks	10 Marks (5+2.5 +2.5)	40 Marks	50 Marks
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DAILY ATTENDANCE MONITORING (Maximum Marks: 5)

Attendance

above 90% : 5 Marks

85%-89% : 4 Marks

80% - 84% : 3 Marks

75%-79% : 2 Marks

Below 75% : Zero

B. R-2019 PCI syllabus

Theory		
Criteria	Maximum Marks	
	100 M Course	50 M Course
Attendance (Described below):	4	2
Percentage of Attendance	100 M course	50 M Course
90–100	4	2
85–89	3	1.5
80–84	2	1
75–79	1	0.5
Less than 75	0	0
Academic activities (Average of any 3 activities e.g. quiz, assignment, open book test, field work, group discussion and seminar)	3	1.5
Student–Teacher interaction	3	1.5
Total	10	5
Practical		
Attendance (Described below):	2	
Percentage of Attendance	Practical	
90–100	2	
95–99	1.5	

80–84	1
75–79	0.5
Less than 75	0
Based on Practical Records, Regular viva voce, etc.	3
Total	5

2.2.7 Quality of Experiments (20)

Institute Marks : 20.00

The following steps are taken to improve the quality of experiments:

- Lab manuals are prepared for each practical course by the course incharges. The master copy of the manual is maintained by lab technician in the respective laboratories.
- To improve quality of experimental work, students perform experiments individually. This system helps students to conduct laboratory work independently and also teaches them to be responsible for the results. This also enables students to plan their work and finish in time.
- In some courses, students are encouraged to perform some practicals in groups. They learn to work in a team and it leads to better learning experience. It also instills a sense of leadership in students.
- Evaluation of each experiment is done and set parameters are assessed by faculty.
- Laboratory experiments are mapped with course outcomes and the program outcomes.

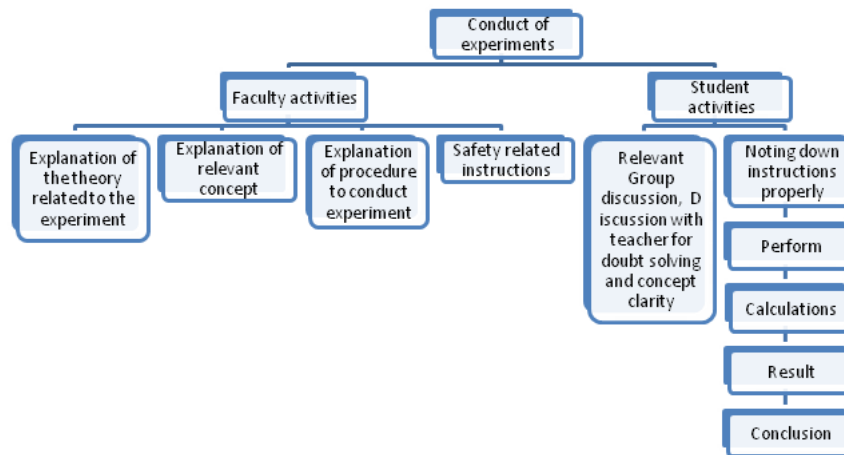


Fig 2.8: Experimental Methodology

Example for correlation of experiment with CO-PO's

Subject: Pharmaceutical chemistry III (Theory) Final year B.Pharm (Sem VIII) and Pharmaceutical chemistry Lab II (CBCS)

Course Code: BPH_TP 801

By the end of the course student should be able to:

BPH_TP 801 CO-1): Predict the structure and explain classification, stereochemistry, chemical name, SAR and metabolism of CNS, ANS, Analgesic drugs and drugs affecting male and female health.

BPH_TP 801 CO-2): Perform different organic synthetic reaction such as reduction, rearrangement, condensation reaction to synthesize selected drugs.

BPH_TP 801 CO-3): Identify of drugs based on its structure and its appropriate use for the management of different diseases and explain its rational development.

BPH_TP 801 CO-4): Apply recrystallization technique skillfully for purification of compounds.

BPH_TP 801 CO-5): Apply different types of green chemistry principles in synthesis of drugs for waste management.

BPH_TP 801 CO-6): Implement safety procedures while performing organic reactions and handling laboratory instruments.

Table 2.2-11: CO-PO Mapping

Pharmaceutical chemistry III (Theory & Practical) CBCS (BPH_TP 801)	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
	CO1	3	-	2	-	-	-	-	-	-	-	3
	CO2	3	2	2	-	-	-	-	-	-	-	3
	CO3	3	-	3	-	-	-	-	-	-	-	3
	CO4	3	-	3	-	-	-	-	-	-	-	3
	CO5	3	-	3		-	-	-	-	-	3	3
	CO6	3	2	2	3	-	-	-	-	-	-	3
	Avg.	3	2	2.5	3	-	-	-	-	-	3	3

High- 3, Moderate- 2, Low- 1

PO1- Pharmacy knowledge, PO2- Planning abilities, PO3-Problem analysis, PO4- Modern tool usage, PO5- Leadership skills, PO6- Professional identity, PO7- Pharmaceutical Ethics, PO8- Communication, PO9- The pharmacist and society, PO10- Environment and sustainability, PO11- Life long learning

Table 2.2-12: Experimental Details

Expt No.	Aim
1	To synthesize Benzilic acid from benzyl by green chemistry method
2	To synthesize Benzilic acid from benzyl by conventional method
3	To synthesize pyrimidone using ethylacetoacetate, benzaldehyde and urea as per green chemistry DST monograph
4	To synthesize anthranilic acid from phthalimide
5	To synthesize PABA from p-nitrobenzoic acid
6	To perform Pechmann condensation for coumarin synthesis using clay catalyst
7	To synthesize Resacetophenone
8	To synthesize 4-methylcarbostyryl from acetanilide
9	To synthesize phenytoin from benzyl and urea

10 To synthesize Hippuric acid (benzoyl glycine) from glycine

Table 2.2-13: Correlation of Course outcomes with experiments

CO	Expt.1	Expt.2	Expt.3	Expt.4	Expt.5	Expt.6	Expt.7	Expt.8	Expt.9	Expt.10
CO 1	2	2	2	2	2	2	2	2	2	2
CO 2	3	3	3	3	3	3	3	3	3	3
CO 3	-	-	-	-	-	-	-	-	-	-
CO 4	3	3	3	3	3	3	3	3	3	3
CO 5	3	-	3	-	-	-	-	-	-	-
CO 6	3	3	3	3	3	3	3	3	3	3
Avg.	3	3	3	3	3	3	3	3	3	3

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

Total Marks 97.00

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

Total Marks 20.00

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

Institute Marks : 5.00

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

Course Name : C1 04 **Course Year :** 2016-2020

Course Name	Statements
C1 04.1	Explain the structures and classification of carbohydrates, lipids and proteins. //
C1 04.2	Describe regulation of enzyme activity and biochemical energetics. //
C1 04.3	Explain types and biological role and significance of vitamins. //
C1 04.4	Describe the process of digestion, absorption, storage and retrieval of different cellular nutrients. //

Course Name : C1 08 **Course Year :** 2016-2020

Course Name	Statements
-------------	------------

C1 08.1	Describe the classification of drugs of natural origin and complementary systems of medicine.	//
C1 08.2	Explain plants primary metabolites- carbohydrates and Secondary metabolites -alkaloids, glycosides, flavonoids, volatile oils, etc with their introduction classification and chemical tests.	//
C1 08.3	Describe cultivation, collection and storage of medicinal plants	//
C1 08.4	Perform quantitative and qualitative microscopy for drug identification.	//
C1 08.5	Determine extractive and ash values as per pharmacopoeial requirements	//

Course Name :	C2 01	Course Year :	2016-2020
----------------------	--------------	----------------------	------------------

Course Name	Statements	
C2 01.1	Assign IUPAC and stereochemical nomenclature to organic compounds containing multiple functional groups.	//
C2 01.2	Predict aromatic character, resonance, tautomerism and conformation of organic molecules .	//
C2 01.3	Explain the reactivity of compounds based on physicochemical properties.	//
C2 01.4	Elaborate the factors affecting equilibrium, rates and reaction mechanisms.	//
C2 01.5	Explain the influence of structure on physicochemical properties and its application to various aspects of pharmaceuticals .	//
C2 01.6	Characterize monofunctional or bifunctional organic compounds by elemental analysis and functional group analysis.	//

Course Name :	C2 07	Course Year :	2016-20
----------------------	--------------	----------------------	----------------

Course Name	Statements	
-------------	------------	--

C2 07.1	Apply principles of chemical kinetics in chemical degradation of pharmaceutical products and in accelerated stability studies.	//
C2 07.2	Describe concepts of diffusion and drug dissolution.	//
C2 07.3	Apply the knowledge of drug complexes and protein binding in determining stability constants.	//
C2 07.4	Describe the basic principles of coarse and colloidal dispersions.	//
C2 07.5	Describe basic principles of drug characterization to biopharmaceutical aspects of drug delivery.	//
C2 07.6	Determine various physical parameters of drugs and formulations	//

Course Name :	C3 02	Course Year :	2016-20
----------------------	--------------	----------------------	----------------

Course Name	Statements	
C3 02.1	Describe the formulation and evaluation parameter of liquid biphasic, semisolid, suppository and aerosol dosage forms.	//
C3 02.2	Demonstrate practical skills required for formulation aspect of biphasic and semisolid dosage forms.	//
C3 02.3	Select the suitable packaging material for liquid biphasic, semisolid, suppository and aerosol dosage forms	//
C3 02.4	Explain the basic concepts of cosmetic science.	//

Course Name :	C3 08	Course Year :	2016-20
----------------------	--------------	----------------------	----------------

Course Name	Statements	
C3 08.1	Describe pharmacodynamics attributes (like drug target, drug receptor binding, protein as drug target, receptors and enzyme as drug targets, nucleic acids as drug target and metabolism of drug)	//

C3 08.2	Explain the physiochemical properties to design and optimize the structure of leads in new drug discovery.	//
C3 08.3	Apply the basic concept and factors of drug metabolism and predict the drug metabolites.	//
C3 08.4	Classify and study chemical nomenclature, stereo chemistry, generic name SAR, metabolism and molecular mechanism of action of few classes of therapeutic agents.	//
C3 08.5	Perform the synthesis of selected drug.	//
C3 08.6	Demonstrate recrystallisation of synthesized drugs	//

Course Name :	C4 03	Course Year :	2016-20
---------------	-------	---------------	---------

Course Name	Statements	
C4 03.1	Apply suitable Single and Multicomponent UV Methods for quantitative estimation and pka determination of drugs.	//
C4 03.2	Describe the types, theory, Instrumentation and applications of chromatographic techniques	//
C4 03.3	Predict the retention behaviour, elution order and quality of chromatographic separation	//
C4 03.4	Explain the basic principle, instrumentation and applications of ¹ HNMR and Mass spectrometry including hyphenated techniques like LC-MS and GC-MS.	//
C4 03.5	Interpret the spectral data to predict structure of an unknown organic compound	//
C4 03.6	Apply ICH guidelines for validation of UV based analytical methods	//

Course Name :	C4 08	Course Year :	2016-20
---------------	-------	---------------	---------

Course Name	Statements	
-------------	------------	--

C4 08.1	Predict the structure and explain classification, stereochemistry, chemical name, SAR and metabolism of CNS, ANS, Analgesic drugs and drugs affecting male and female health.
C4 08.2	Perform different organic synthetic reaction such as reduction, rearrangement, condensation reaction to synthesize selected drugs.
C4 08.3	Identify of drugs based on its structure and its appropriate use for the management of different diseases and explain its rational development.
C4 08.4	Apply recrystallization technique skillfully for purification of compounds.
C4 08.5	Apply different types of green chemistry principles in synthesis of drugs for waste management.
C4 08.6	Implement safety procedures while performing organic reactions and handling laboratory instruments.

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; atleast one per year) (5)

Institute Marks : 5.00

1 . course name : C104

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C104.1	3	-	-	-	-	-	-	-	-	-	-
C104.2	3	-	-	-	-	-	-	-	-	-	-
C104.3	3	-	-	-	-	2	1	-	1	-	-
C104.4	3	-	-	-	-	2	1	-	1	-	-
Average	3.00	0.00	0.00	0.00	0.00	2.00	1.00	0.00	1.00	0.00	0.00

2 . course name : C108

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C108.1	3	-	-	-	-	-	-	-	2	2	-
C108.2	3	3	2	2	-	-	-	-	2	2	-
C108.3	3	3	-	-	-	-	-	-	2	2	-
C108.4	3	3	3	3	-	-	-	-	2	2	-
C108.5	3	3	3	2	-	-	-	-	2	2	-
Average	3.00	3.00	3.00	2.00	0.00	0.00	0.00	0.00	2.00	2.00	0.00

3 . course name : C201

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

4 . course name : C207

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C207.1	3 ▾	3 ▾	3 ▾	2 ▾	- ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾
C207.2	3 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾
C207.3	3 ▾	3 ▾	2 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾
C207.4	3 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾
C207.5	3 ▾	- ▾	- ▾	- ▾	- ▾	3 ▾	- ▾	- ▾	- ▾	- ▾	- ▾
C207.6	3 ▾	3 ▾	3 ▾	3 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾
Average	3.00	3.00	3.00	3.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00

5 . course name : C302

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C302.1	3 ▾	3 ▾	3 ▾	3 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾
C302.2	3 ▾	3 ▾	2 ▾	3 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾
C302.3	3 ▾	2 ▾	2 ▾	2 ▾	- ▾	3 ▾	- ▾	- ▾	- ▾	- ▾	- ▾
C302.4	3 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾
Average	3.00	3.00	2.00	3.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00

6 . course name : C308

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
C308.1	3 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾
C308.2	3 ▾	3 ▾	3 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾
C308.3	3 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾
C308.4	3 ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	- ▾	1 ▾	- ▾	- ▾

BPH_TP (	3	3	3	2	0	0	0	0	2	2	0
BPH_T(C)	3	2	3	3	2	2	2	2	2	1	0
BPH_T(C	2	3	2	0	0	0	3	0	0	3	0
BPH_P(C	0	2	2	2	0	0	0	0	0	0	3
BPH_TP (	3	2	2	2	0	3	0	0	0	0	2
BPH_TP (	3	3	3	3	0	2	0	0	0	0	0
BPH_T(C	2	0	0	0	0	2	0	2	2	0	0
BPH_TP (	3	2	2	0	0	3	0	0	0	0	0
BPH_T(C	3	3	3	3	0	2	0	0	0	2	1
BPH_T(C	3	0	2	0	0	3	0	0	0	0	0
BPH_TP (	3	3	3	3	0	0	0	0	0	0	0
BPH_TP (	3	3	2	3	0	3	3	0	0	0	0
BPH_TP (	3	2	2	1	0	2	2	2	0	0	2
BPH_T(C	3	0	2	2	0	2	0	0	2	0	2
BPH_T(C	1	0	3	0	0	1	3	0	0	0	3
BPH_TP (	3	3	3	0	0	0	0	0	3	3	0
BPH_TP (	3	3	2	3	0	3	0	0	0	0	0
BPH_TP (	3	3	3	3	0	2	3	0	0	2	0
BPH_T(C	3	0	3	0	0	3	0	0	0	0	3
BPH_E(C	3	3	3	3	0	3	3	0	2	0	0
BPH_E(C	3	2	2	2	0	2	0	2	0	0	0
BPH_TP (	3	3	3	3	3	0	0	0	1	0	0
BPH_TP (	3	3	3	3	0	3	0	0	0	0	3
BPH_TP (	3	2	3	3	0	3	0	0	0	0	0
BPH_T(C	3	0	0	0	0	0	0	0	2	2	0
BPH_E(C	3	3	3	0	0	1	0	0	0	0	0
BPH_E(C	3	1	3	2	0	1	3	0	0	0	0
BPH_T(C	3	0	2	0	0	0	0	0	0	0	2
BPH_TP (	3	0	3	3	0	3	0	0	2	2	1
BPH_TP (	3	2	3	3	0	3	3	0	0	0	1
BPH_TP (	3	3	2	2	0	3	2	2	2	2	2
BPH_T 4C	3	3	3	0	0	3	3	3	3	2	3
BPH_E(C	1	2	0	2	0	1	1	0	0	0	3
BPH_TP (	3	2	3	3	0	0	0	0	0	3	3

BPH_TP (	3	3	3	3	0	3	0	0	0	0	3
BPH_E_ (	3	2	3	2	1	3	2	3	3	0	3
BPH_E_ (	3	0	1	2	0	3	0	0	3	0	3
BPH_PW	3	2	2	3	3	2	3	3	3	2	2

3.2 Attainment of Course Outcomes (40)

Total Marks 40.00

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

Institute Marks : 10.00

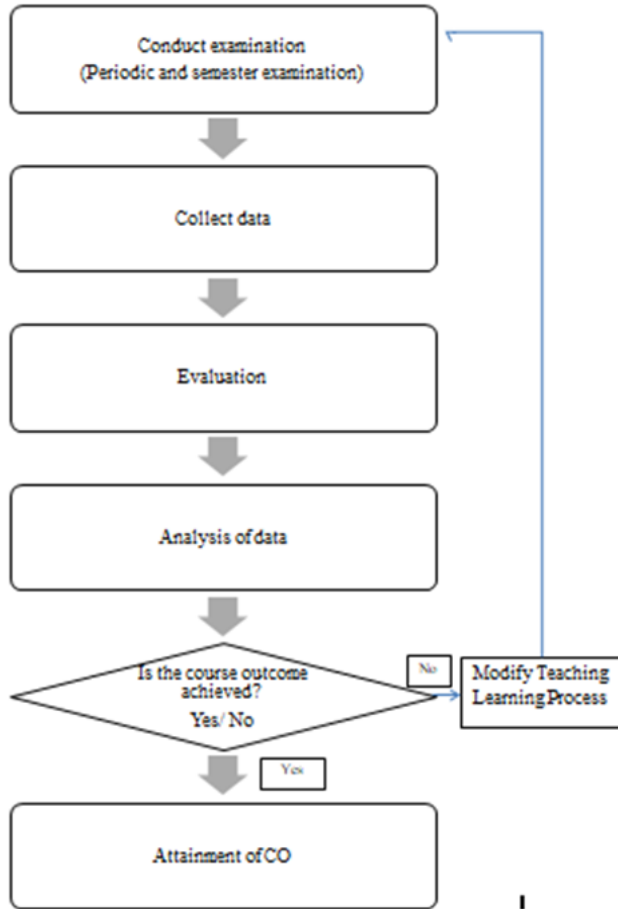


Fig 3.1: Assessment process used to gather the data

Broadly, the assessment process involves following steps:

I- Assessment Process for theory, practical & project

II: Evaluation of data collected for all course outcome .

III : Analysis of data for calculating attainment

I - Assessment Process for theory, practical & project

Assessment tool for theory courses, practical courses and project (CBCS)

The assessment process is described as follows:

1- For Theory Course

A. Internal Examination

1. Theory Periodic examination
2. Attendance

B. University Semester Theory Examination

2- For Practical Course

A. Internal Examination

1. Practical Periodic Examination
2. Continuous Evaluation,
3. Attendance

B. University Semester Laboratory Examination

3- For Project

Projects have been divided into different categories under CBCS system

- Laboratory research based
- Literature survey based
- Case studies
- Reviews
- Detail literature on some problem or topic
- Survey based

The syllabus of CBCS system prescribes a project of 200 marks in Final year B Pharmacy semester VIII syllabus. It is a group project. Each group has four to five students who work under supervision of faculty members. The guidelines for the same have also been prescribed by University of Mumbai.

This project is supervised or guided, and need regular interaction (at least once a week) with the supervisor/guide. Project group has to submit a project report and defend it in front of examiners. Evaluation of Project is conducted by two examiners. One examiner shall be the internal examiner (guiding teacher). The second examiner will be an External examiner who is appointed by the University.

The examination shall be as follows:

I. Evaluation of Project Report:

1. Objective(s) of project 20 Marks
2. Methodology adopted 30 Marks
3. Results and Discussions 25 Marks
4. Conclusions and Outcomes 25 Marks

Total 100 Marks

II. Evaluation of Presentation:

1. Presentation quality (audio-visual, content, format) 30 Marks
2. Verbal presentation quality/Communication 25 Marks

3.Viva and critical discussion 45 Marks

Total 100 Marks

NOTE: The 100 marks assigned to the project report are same for all the students in a group. The 100 marks assigned for presentation are awarded based on the performance of individual students in the given criteria. Both the examiners assign marks out of 200 each, their individual marks are averaged for obtaining final score. The dates for submission of reports, the dates for presentations are scheduled as per the guidelines of the University.

I Assessment tool for theory courses, practical courses (CBGS)

1. For Theory Course

A. Internal Examination

1. Theory Periodic examination
2. Attendance
3. Class test /Assignment
4. Interaction

B. University Semester Theory Examination

2- For Practical Course

A. Internal Examination

1. Practical Periodic Examination
2. Continuous Evaluation

B.University Semester Laboratory Examination

Flow chart of assessment process:

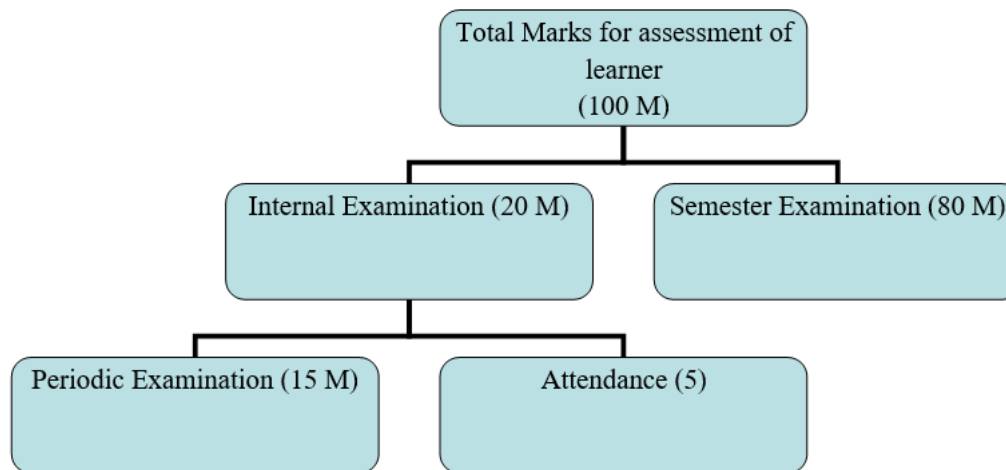


Fig 3.2 : Flow chart for assessment of theory courses (CBCS)

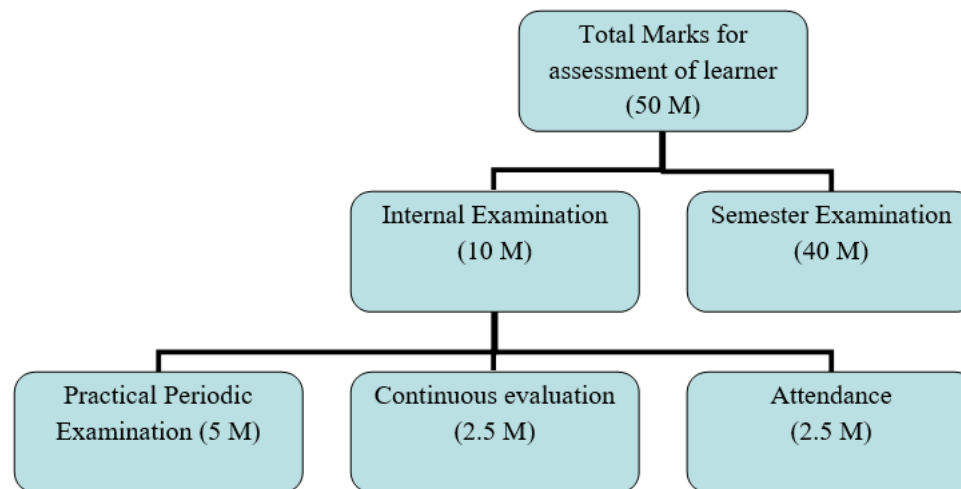


Fig 3.3: Flow chart for assessment of practical courses (CBCS)

Assessment Process for theory courses (CBCS):

- **Internal Examination:** The weightage for internal assessment is 20%. There are two components of internal examination: periodic examination and attendance monitoring. Periodic theory examination is conducted for 15 marks and attendance monitoring is for 5 marks. For practical subject, periodic laboratory examination is conducted 5 marks, continuous assessment is for 2.5 marks and attendance for 2.5 marks.

Internal assessment for theory courses:

1. Periodic Theory Examination (Maximum Marks: 15)

Periodic examination is conducted once in each semester for all courses. Question paper is set by subject in charge and submitted to examination department.

2. Daily Attendance Monitoring (Maximum Marks: 5)

Each learner must have 75% attendance in individual courses considering theory and practical separately.

Attendance marks are awarded to learner as given in table below:

Table 3.2.1: Reference table for attendance marks

Sr. No.	Parameter	Marks
1	Attendance above 90%	5 Marks
2	85% - 89%	4 Marks
3	80% - 84%	3 Marks
4	75% - 79%	2 Marks
5	Below 75%	Zero

Internal assessment for practical courses: Marks distribution for practical courses is mentioned below:

Table 3.2.2 Marks distribution for internal assessment of laboratory work

Sr.No	Periodic examination	Continuous evaluation	Attendance
1	5 M	2.5 M	1. M

- **University Semester Examination:** The weightage for external(end semester) assessment is 80% . Semester wise performance assessment of every student is carried out for all theory and laboratory courses .

Fig:3.4: Flow Chart for Marks distribution for university semester Examination

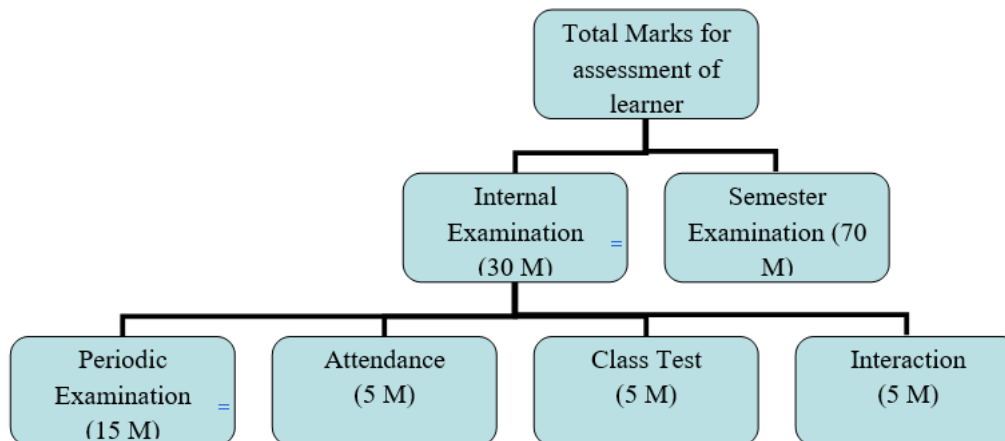


Fig:3.4: Flow Chart for Marks distribution for university semester theory Examination (CBSGS)

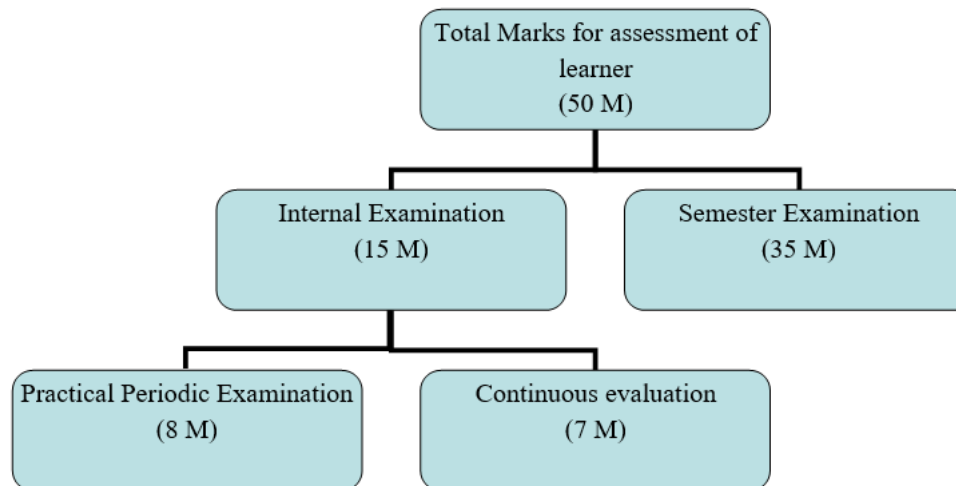


Fig 3.5 : Flow chart for assessment of Practical courses (CBSGS)

Setting of Question Paper:

An examination time-table and question papers for all the theory examinations of different semesters are provided by the university. The question papers for the Theory courses in Semesters I, II, III, IV, V, VI, VII, and VIII are set by paper-setters appointed by the University.

Conduction of University examination :

- The End Semester Examinations in Semesters I, II, III, IV, V and VI are conducted by the institute on behalf of University of Mumbai. Question paper is set by university and is evaluated at institute level.
- The examinations of Semesters VII and VIII are conducted by the university. Question paper setting and evaluation are carried out at university level.
- All Non University Examination Subjects (NUES) marked with asterisk symbol (*) in curriculum, are conducted by the subject in-charges at institute level.

The assessment and moderation of the answer sheets :

- The assessment and moderation of the answer sheets for theory courses in Semesters I to VI is carried out at institute level by the examiners and moderators appointed by the principal.
- Practical examinations are conducted for Semesters I to VI at institute level by examiners appointed by principal on the behalf of the university.
- The assessment and moderation of the answer sheets of the Theory courses in Semesters VII and VIII is conducted by the University through Central Assessment Programme (CAP) or On Screen Marking (OSM).
- For Semesters VII and VIII, the University appoint two examiners for each practical examination. Evaluation is done by the examiners appointed by the University.

II - Evaluation : Evaluation of all courses is done as per university guidelines.

The performance of student is assessed for 100 marks and further converted into grade point & letter grade as per the guideline of Mumbai University which is shown in table below

Table 3.2.3 : Reference table for allocation of grade point

Letter Grade	Grade Point	Marks Range
O	10	>80%
A	9	75 - 79.99%
B	8	70 - 79.99%
C	7	60 - 69.99%
D	6	50 - 59.99%
E	5	45 - 49.99%
P	4	40 - 44.99%
F	0	< 40%

Evaluation of Project : The internal and external examiners are appointed by the University of Mumbai to evaluate the project, The projects are evaluated as per the criteria given below.

Table 3.2.4 : Reference table for Project marks distribution

Sr No	Presentation/Report	Criteria for Marks Distribution	Marks	Total
1	Presentation	Audio-visual, content, format	30	100
		Verbal presentation quality, communication	25	
		Viva Voce and critical discussion	45	
2	Report	Objective	20	100

	Methodology	30	
	Result and Discussion	25	
	Conclusion and outcomes	25	
			200

III - Analysis of Data : As an average or median marks for assessment is not declared by the university, target levels and their descriptors are decided at institute level. Theory & Practical courses are combined and considered as one single course (where applicable). The set target levels are based on class average in each course.

Three levels of attainment are described below:

- Level 1 (Low) :** If 30% of students have obtained marks above the class average then the level is one which is considered as low.
- Level 2 (Medium) :** If 40% of students have obtained marks above class average then the level is two which is considered as medium.
- Level 3 (High) :** If 50% of students have obtained marks above class average then the level is three which is considered as high.

The set target level is two. If 40% of learners score more than the class average then the attainment is met. CO attainment is calculated for all courses and corrective measures are taken to improve course outcomes.

80% of the End Semester examination and 20% of Periodic examination is considered for final CO attainment

Eg. CO Attainment = (80% End term examination attainment level) + 20% (Internal examination attainment level)

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

Institute Marks : 30.00

The course outcome for all courses is calculated as shown in sample calculation, shown below:

Sample Calculation for CO attainment level:

Course code / Course University Code : **BPH_TP(C)101**

Course Name : **GENERAL CHEMISTRY T & P**

Table 3.2.5 CO Attainment Table for Batch 2017-21

	PERIODIC EXAM	END SEMESTER EXAM
Total number of Candidates Appeared	58	58
No of candidates scoring marks above set target level	32	29
Percentage of students scoring above set target level	55.17	50%
CO attainment level	3	3
Weight age	20% of Periodic = 0.6	80% of End semester = 2.4
Final Co Attainment Level (20% of Internal + 80% of External)	0.6 + 2.4 = 3	

Table 3.2.6: Sample Calculation for CO attainment level:

COURSE CODE	CO	CO ATTAINMENT LEVEL	TARGET LEVEL	ATTAINED / NOT ATTAINED	REMEDIAL MEASURES
BPH_TP(C)101	GENERAL CHEMISTRY	3	2	ATTAINED	
BPH_TP(C)102	DISPENSING AND COMMUNITY PHARMACY	3	2	ATTAINED	
BPH_TP (C)103	APP I	3	2	ATTAINED	
BPH_T(C)104	BIOCHEMISTRY I	3	2	ATTAINED	
BPH_T(C) 105	COMMUNICATION SKILLS AND ETHICS	3	2	ATTAINED	
BPH_T(C)106	APP II	3	2	ATTAINED	
BPH_TP(C)107	BIOCHEMISTRY II	3	2	ATTAINED	
BPH_TP (C)108	PHARMACOGNOSY I	1.4	2	NOT ATTAINED	Conduct extra lectures , give them assignment , Question bank , and visit to medical garden.
BPH_T(C)109	HPDSM	3	2	ATTAINED	
BPH_T(C)110	EVS	2.2	2	ATTAINED	
BPH_P(C)111	COMPUTER LAB	3	2	ATTAINED	
BPH_TP(C)201	ORGANIC CHEMISTRY– I	3	2	ATTAINED	
BPH_TP (C) 202	PHYSICAL PHARMACY I	3	2	ATTAINED	
BPH_T(C)203	APP III	3	2	ATTAINED	
BPH_TP(C)204	PHARMACEUTICAL ANALYSIS I	3	2	ATTAINED	
BPH_T(C)205	P.ENGINEERING	3	2	ATTAINED	
BPH_T(C)206	ORGANIC CHEMISTRY II	3	2	ATTAINED	
BPH_TP(C)207	PHYSICAL PHARMACY II	3	2	ATTAINED	
BPH_TP(C)208	PHARMACEUTICS I	2.8	2	ATTAINED	
BPH_TP(C)209	PHARMACOLOGY I	3	2	ATTAINED	
BPH_T(C)210	MOCROBIOLOGY	3	2	ATTAINED	
BPH_T(C)211	MATHEMATICS AND STATISTICS	3	2	ATTAINED	
BPH_TP(C)301	ORGANIC CHEMISTRY III	3	2	ATTAINED	
BPH_TP(C)302	PHARMACEUTICS II	3	2	ATTAINED	
BPH_TP(C)303	PHARMACEUTICAL BIOTECHNOLOTY	3	2	ATTAINED	
BPH_T(C)304	PHARMACOLOGY - II	3	2	ATTAINED	
BPH_E(C)306	COSMETICS (ELECTIVE)	3	2	ATTAINED	

BPH_E(C)307	PACKAGING	3	2	ATTAINED
BPH_TP(C)308	PHARAMACEUTICAL CHEMISTRY-I	3	2	ATTAINED
BPH_TP(C)309	PHARMACEUTICS - III	3	2	ATTAINED
BPH_TP(C)310	PHARMACEUTICAL ANALYSIS - II	2.2	2	ATTAINED
BPH_T(C)311	PHARMACOGNOSY II	3	2	ATTAINED
BPH_E_(C)313	BIOPHARM & PK (ELECTIVE)	3	2	ATTAINED
BPH_(C)315	EXCIPIENTS (ELECTIVE)	3	2	ATTAINED
BPH_T (C)401	PHARMACEUTICAL CHEMISTRY - II	3	2	ATTAINED
BPH_TP(C) 402	PHARMACOGNOSY - III	3	2	ATTAINED
BPH_TP(C)403	PHARMACEUTICAL ANALYSIS - III	3	2	ATTAINED
BPH_TP(C)404	PHARMACOLOGY - III	3	2	ATTAINED
BPH_T(C) 405	PHARMACEUTICAL JURIS	2.2	2	ATTAINED
BPH_E (C)406	INTELLECTUAL PROPERTY RIGHTS T (ELECTIVE)	3	2	ATTAINED
BPH_TP (C)408	PHARM CHEM III	2.2	2	ATTAINED
BPH_TP (C)409	PHARMACEUTICS IV	3	2	ATTAINED
BPH_E_(C)410	CLINICAL PHARMACY	3	2	ATTAINED
BPH_E_(C) 411	NDDS	2.2	2	ATTAINED
BPH_PW(C) 412	PROJECT	3	2	ATTAINED

3.3 Attainment of Program Outcomes (40)

Total Marks 37.00

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

Institute Marks : 10.00

All theory and practical courses are related to program outcomes. There are two type of assessment tools for calculating program outcomes: Direct assessment tools and Indirect assessment tools. The weightage of assessment method is 80% direct and 20% indirect. Direct assessment tools are based on attainment of course outcomes. Indirect assessment is based on data collected from various surveys, mentioned in table below:

Table 3.3.1: assessment tools used for assessing the attainment of each PO

Direct Assessment Tool	1. Periodic Test 2. University End Semester Examination
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Indirect Assessment Tools	<ol style="list-style-type: none"> 1. Graduate Exit Surveys 2. Alumni Feed back form 3. Employer Feed back form 4. Teachers feed back form
----------------------------------	--

Different direct & Indirect tools and their frequency is shown below:

All theory and practical courses are related to program outcomes. There are two type of assessment tools for calculating program outcomes: Direct assessment tools and Indirect assessment tools. The weightage of assessment method is 80% direct and 20% indirect. Direct assessment tools are based on attainment of course outcomes. Indirect assessment is based on data collected from various surveys, mentioned in table below:

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Indirect Assessment Tools	<ol style="list-style-type: none"> 1. Graduate Exit Surveys 2. Alumni Feed back form 3. Employer Feed back form 4. Teachers feed back form

Different direct & Indirect tools and their frequency is shown below:

All theory and practical courses are related to program outcomes. There are two type of assessment tools for calculating program outcomes: Direct assessment tools and Indirect assessment tools. The weightage of assessment method is 80% direct and 20% indirect. Direct assessment tools are based on attainment of course outcomes. Indirect assessment is based on data collected from various surveys, mentioned in table below:

Table 3.3.1: assessment tools used for assessing the attainment of each PO

Direct Assessment Tool	<ol style="list-style-type: none"> 1. Periodic Test 2. University End Semester Examination
Indirect Assessment Tools	<ol style="list-style-type: none"> 1. Graduate Exit Surveys 2. Alumni Feed back form 3. Employer Feed back form 4. Teachers feed back form

Different direct & Indirect tools and their frequency is shown below:

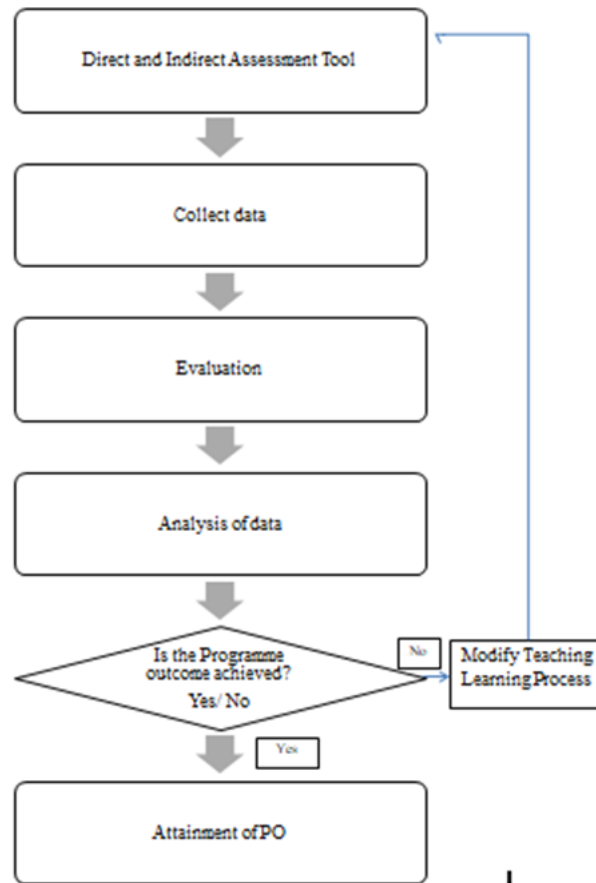


Fig 3.6 : Assessment Process for measuring the POs

Direct Attainment Tools

These are the various direct assessment tools which are used for assessment of the course outcome and program outcome:

Table 3.3.2: Direct assessment tool

Assessing Tool	Frequency	Program Outcome
Periodic test (20M)	One examination is conducted per semester, per courses, at the institute level.	All POs

Term End Examination (80M)	One final examination is conducted at the end of the semester at the university level.	All POs
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Indirect Attainment Tools

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

Table 3.3.3 : Indirect Assessment Tools

Assessing Tool	Aim	Frequency	Program Outcome
Graduate Exit Survey (From learners perspective)	To assess the contribution of the program in the overall development of the graduates.	At the end of VIII semester.	All POs
Teachers Feedback	To assess the contribution of the program in the overall development of the graduates.	At the end of VIII semester.	All POs
Alumni Feedback form	To assess the capability of students to perform in different pharmaceutical fields.	After graduation of students.	All POs
Employer Feed back form	To assess the capability of students to perform in different pharmaceutical fields.	After Placement of latest graduating students.	All POs

3.3.2 Provide results of evaluation of each PO (30)

Institute Marks : 27.00

PO Attainment

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BPH_TP (C	3	3	3	3	0	3	1	0	2	1	3
BPH_TP (C	3	2	3	3	0	3	2	0	3	0	2
BPH_TP (C	2	3	2	2	0	2	2	2	2	0	0
BPH_T (C)	3	0	0	0	0	1	1	0	1	0	0
BPH_T(C)	0	2	0	2	2	0	0	3	0	0	3
BPH_T (C)	2	0	0	0	0	2	0	2	2	2	0

BPH_TP (C	3	0	0	0	0	0	0	0	0	0	0
BPH_TP (C	1.4	1.4	1.4	0.93	0	0	0	0	0.93	0.93	0
BPH_T(C) 1	3	2	3	3	2	2	2	2	2	1	0
BPH_T (C)	1.46	2.2	1.46	0	0	0	2.2	0	0	2.2	0
BPH_P (C)	0	2	2	2	0	0	0	0	0	0	3
BPH_TP (C	3	2	2	2	0	3	0	0	0	0	2
BPH_TP (C	3	3	3	3	0	2	0	0	0	0	PO11
BPH_T (C)	2	0	0	0	0	2	0	2	2	0	0
BPH_TP (C	3	2	2	0	0	3	0	0	0	0	0
BPH_T (C)	3	3	3	3	0	2	0	0	0	2	1
BPH_T (C)	3	0	2	0	0	3	0	0	0	0	0
BPH_TP (C	3	3	3	3	0	0	0	00	0	0	0
BPH_TP (C	2.8	2.8	1.86	2.8	0	2.8	2.8	0	0	0	0
BPH_TP (C	3	2	2	1	0	2	2	2	0	0	2
BPH_T (C)	3	0	2	2	0	2	0	0	2	0	2
BPH_T (C)	1	0	3	0	0	1	3	0	0	0	3
BPH_TP (C	3	3	3	0	0	0	0	0	3	3	0
BPH_TP (C	3	3	2	3	3	3	0	0	0	0	0
BPH_TP (C	3	3	3	3	0	2	3	0	0	2	0
BPH_T (C)	3	0	3	0	0	3	0	0	0	0	3
BPH_E (C)	3	3	3	3	0	3	3	0	2	0	0
BPH_E (C)	3	2	2	2	0	2	0	2	0	0	0
BPH_TP (C	3	3	3	3	3	0	0	0	1	0	0
BPH_TP (C	3	3	3	3	0	3	3	0	0	0	3
BPH_TP (C	2.2	1.46	2.2	2.2	0	2.2	0	0	0	0	0
BPH_T (C)	3	0	0	0	0	0	0	0	2	2	0
BPH_E (C)	3	3	3	0	0	1	0	0	0	0	0
BPH_E (C)	3	1	3	2	0	1	3	0	0	0	0
BPH_T (C)	3	0	2	0	0	0	0	0	0	0	2
BPH_TP (C	3	0	3	3	0	3	0	0	2	2	1
BPH_TP (C	3	2	3	3	0	3	3	0	0	0	1
BPH_TP (C	3	3	2	2	0	3	2	2	2	2	2
BPH_T 405	2.2	2.2	2.2	0	0	2.2	2.2	2.2	2.2	1.466	2.2
BPH_E (C)	1	2	0	2	0	1	1	0	0	0	3

BPH_TP (C	2.2	1.466	2.2	2.2	0	0	0	0	0	2.2	2.2
BPH_TP (C	3	3	3	3	0	3	0	0	0	0	3
BPH_E_ (C	3	2	3	2	1	3	2	3	3	0	3
BPH_E_ (C	2.2	0	0.733	1.46	0	2.2	0	0	2.2	0	2.2
BPH_PW (C	3	2	2	3	3	2	3	3	3	2	2

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Direct Attainment	2.69	2.38	2.45	2.44	2.33	2.31	2.27	2.1	2.07	1.84	2.3
InDirect Attainment	2.25	2.25	2.15	2.15	1.95	2.35	2.3	2.25	2.35	2.55	2.25
PO Attainment	2.60	2.35	2.39	2.38	2.25	2.32	2.28	2.13	2.13	1.98	2.29

4 STUDENTS' PERFORMANCE (180)

Total Marks 117.36

Total Marks 20.00

Table 4.1

Item	2020-21 (CAY)	2019-20 (CAYm1)	2018-19 (CAYm2)	2017-18 (CAYm3)	2016-17 (CAYm4)	2015-16 (CAYm5)	2014-15 (CAYm6)
Sanctioned intake of the program(N)	60	60	60	60	60	60	60
Total number of students admitted in first year (N1)	63	63	59	58	58	60	60
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	0	8	8	8	10	20	20
Total number of students admitted in the programme(N1 + N2)	63	71	67	66	68	80	80

4.1 Enrolment Ratio (20)

Institute Marks : 20.00

	N (From Table 4.1)	N1 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2020-21	60	63	105.00
2019-20	60	63	105.00
2018-19	60	59	98.33

Average [(ER1 + ER2 + ER3) / 3] : 102.78

Assessment : 20.00

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

Total Marks 20.00

Table 4.2

Year of entry	Number of students admitted in 1st year + admitted via lateral entry in 2nd year (N1 + N2)	Number of students who have successfully graduated without backlogs in any year of study (Without backlog means no compartment/failure in any semester/year of study)			
		I year	II year	III year	IV year
2020-21 (CAY)	63				
2019-20 (CAYm1)	71	44			
2018-19 (CAYm2)	67	31	32		
2017-18 (CAYm3)	66	34	37	37	
2016-17 (LYG)	68	30	30	30	26
2015-16 (LYGm1)	80	39	35	34	32
2014-15 (LYGm2)	80	28	18	18	14

Table 4.3

Year of entry	Number of students admitted in 1st year + admitted via lateral entry in 2nd year (N1 + N2)	Number of students who have successfully graduated in stipulated period of study) [Total of with Backlog + without Backlog]			
		I year	II year	III year	IV year
2020-21 (CAY)	63				
2019-20 (CAYm1)	71	62			
2018-19 (CAYm2)	67	53	62		
2017-18 (CAYm3)	66	51	54	54	
2016-17 (LYG)	68	49	51	50	50
2015-16 (LYGm1)	80	53	57	56	40
2014-15 (LYGm2)	80	41	41	37	26

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

Institute Marks : 9.60

Item	Latest Year of Graduation, LYG (2016-17)	Latest Year of Graduation minus 1, LYGm1 (2015-16)	Latest Year of Graduation minus 2 LYGm2 (2014-15)
X Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry	68.00	80.00	80.00
Y Number of students who have graduated without backlogs in the stipulated period	26.00	32.00	14.00
Success Index [$SI = Y / X$]	0.38	0.40	0.18

Average SI [$(SI1 + SI2 + SI3) / 3$] : 0.32

Assessment = 30 * Average SI : 9.60

4.2.2 Success rate in stipulated period (20)

Institute Marks : 10.40

Item	Latest Year of Graduation, LYG (2016-17)	Latest Year of Graduation minus 1, LYGm1 (2015-16)	Latest Year of Graduation minus 2 LYGm2 (2014-15)
X Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry	68.00	80.00	80.00
Y Number of students who have graduated in the stipulated period	50.00	40.00	26.00
Success Index [$SI = Y / X$]	0.74	0.50	0.32

Average SI [$(SI1 + SI2 + SI3) / 3$] : 0.52

Assessment = 20 * Average SI : 10.40

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

4.3 Academic Performance in Final Year (10)

Total Marks 5.85

Institute Marks : 5.85

Academic Performance	2016-17 (LYG)	2015-16 (LYGm1)	2014-15 (LYGm2)
Mean of CGPA or mean percentage of all successful students(X)	7.84	6.94	6.78
Total number of successful students(Y)	50.00	40.00	26.00
Total number of students appeared in the examination(Z)	50.00	56.00	37.00
API [$X*(Y/Z)$]:	7.84	4.96	4.76

Average API [$(AP1 + AP2 + AP3)/3$] : 5.85

Academic Performance = Average API = [$(AP1 + AP2 + AP3)/3$] : 5.85

4.4 Academic Performance in Third Year (10)

Total Marks 6.91

Academic Performance	CAYm3 (2017-18)	LYG (2016-17)	LYGm1 (2015-16)
Mean of CGPA or mean percentage of all successful students(X)	7.50	6.85	6.62
Total number of successful students (Y)	54.00	50.00	56.00
Total number of students appeared in the examination (Z)	54.00	51.00	57.00
API [X * (Y/Z)]	7.50	6.72	6.50

Average API [(AP1 + AP2 + AP3)/3] : 6.91

Academic Performance = Average API [(AP1 + AP2 + AP3)/3] : 6.91

4.5 Academic Performance in Second Year (10)

Total Marks 6.24

Institute Marks : 6.24

Academic Performance	2018-19 (CAYm2)	2017-18 (CAYm3)	2016-17 (LYG)
Mean of CGPA or mean percentage of all successful students(X)	6.79	6.75	6.52
Total number of successful students(Y)	62.00	54.00	51.00
Totalnumber of students appeared in the examination(Z)	61.00	59.00	59.00
API [X*(Y/Z)]:	6.90	6.18	5.64

Average API [(AP1 + AP2 + AP3)/3] : 6.24

Academic Performance = Average API = [(AP1 + AP2 + AP3)/3] : 6.24

4.6 Academic Performance in First Year (20)

Total Marks 12.63

Institute Marks : 12.63

Academic Performance	2019-20 (CAYm1)	2018-19 (CAYm2)	2017-18 (CAYm3)
Mean of CGPA or mean percentage of all successful students(X)	7.46	6.43	6.63
Total number of successful students(Y)	62.00	53.00	51.00
Totalnumber of students appeared in the examination(Z)	63.00	59.00	58.00
API [X*(Y/Z)]:	7.34	5.78	5.83

Average API [(AP1 + AP2 + AP3)/3] : 6.32

Academic Performance = Average API = [(AP1 + AP2 + AP3)/3] : 6.32

4.7 Placement and Higher Studies (40)

Total Marks 25.73

Item	2016-17 (LYG)	2015-16 (LYGm1)	2014-15 (LYGm2)
Total No of Final Year Students(N)	50.00	56.00	37.00
Number of students placed in Industries/ Hospitals/ Government sector through on/off campus recruitment or opted for Entrepreneurship(x)	21.00	35.00	10.00
No. of students admitted to higher studies with valid scores in various qualifying exams(y)	12.00	6.00	10.00
Placement Index [(X + Y)/N] :	0.66	0.73	0.54

Average Placement [(X + Y)/N] : 0.64

Assessment [40 * Average Placement] : 25.73

4.8 Professional Activities (20)

Total Marks 20.00

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

Institute Marks : 5.00

Table 4.8.1 - Social activities (public health office 2020-2021)

Events	Dates	Venue
Virtual teachers day	5 Sep2020	Google meet
World pharmacist day	25 th Sep 2020	Google meet
Covid-19 awareness campaign	30 th Oct 2020	Nerul, Navi Mumai
Quiz competition 1.covid-19andmentalhealth-responsereceived-1241 2. Immunity booster - response received-1251 3. Blood and blood products- response received-1126	1 st to 10 Nov 2020	Google forms online platform.
World health day	20 Nov 2020	Virtual webinar
Lockdown awareness campaign	28, 29, 30 Nov 2020	Google meet, Youtube live
Counseling and distribution	2 Dec 2020	Nerul railway station

Innovation campaign	24 Jan 2021	Khairwadi village in Panvel 3kms from Wakadi gaon.
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Table 4.8.2 - Social activities (public health office 2019-2020)

Events	Dates	Venue
Generic Vs Branded Skit	25 th Sept 2019	Jewels of Navi Mumbai
Cleanliness Drive	2 nd Oct 2019	Juhu, Mumbai
World Aids Day	11 th Dec 2019	Sterling School , nerul, Navi Mumai
Menstrual Health Campaign & Good Touch – Bad Touch Hand wash Awareness , Proper storage and Disposal of Medicines , First –Aid Awareness	18 th Dec 2019	Dyandeeep seva mandal’s primary and secondary school, Seawoods.
Minithon	5 th Jan 2020	Belapur, Navi Mumbai.
Rural outreach Topics – First aid awareness , Menstrual Hygiene , Awareness about diseases like TB & Cancer , Snakebite Awareness	8 th & 9 th Jan 2020	Aahupe and Khadaki Ambegaon , Pune.
Blood Donation Campaign	20 th Jan 2020	Vashi and Nerul station.

Table 4.8.3 - Social activities (public health office for 2018-19)

Events	Date	Venue
Mental health event	15/10/2018	S H Divyang school, NCRD’s SIP
Infection awareness	20/10/2018	CBD, Seawoods, Nerul, Vashi stations
Menstrual health awareness	28/12/2018	Dyandeeep seva mandal’s primary and secondary school
Blood donation	7/1/2019	NCRD’s SIP
Generic vs brand name	18/11/2018	Seawoods garden, sec-19A

Diabetic event	5-19/1/2019	NCRD's SIP
World AIDS Day	1/12/2018	Seawoods
Cancer campaign	12/1/2019	ACTREC, Kharghar
Rural health awareness	14 & 15 12/ 2018	Khadke-Pimpal gaon

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

Institute Marks : 5.00

Published E- magazine -REFLECTION 2019-2020

Institute magazine reflect the identity of the educational institutions and is an integral part of the education system. It inspires the hearts of the student to create beauty in the different domains of life and nature. Magazines provide a wonderful platform for these young potential ones to showcase their talent through the efforts by creating new pieces of literacy, scientific and other types of writing in their Institute magazine.

Institute has published magazine "Reflection 2020" which contains

Scientific zone- review articles

Non- scientific zone- arts, poems



Student corner has been installed in the institute .It showcase students various activities like

- Arts like Painting, Drawing
- Poems

Rx Festival (This Festival is arranged by Indian Pharmaceutical Association IPA MSB)

Rx- THE PRESCRIPTION TO FUN! The Rx Festival is the oldest large scale annual festival for the pharmacy student community and has increased in magnitude over the last ten years since its inception. The festival is divided into three main categories that are Rx-Sports, Rx-Techfest , Rx- PHO & Rx-Cultural. The sole festival that is celebrated for 21 days starts from 25th Dec & concludes in the mid of January every year. More than 4000 students participate every year in Rx. Every year a new theme is set for Rx & the entire festival revolves round the selected theme. It is the most awaited & anticipated festival of pharmacy community

Table 4.8.4 Participation in inter-institute events by students of the program of study

2020-21

Sr No.	Name of Faculty	Name of students	Name of event	Organizing Institute	If Winner specify the rank
1	Mrs. M.P.Jyothi	Sabreen Khan , Vaishnavi Sutar	National Level E poster Competition	NCRDs Sterling Institute of Pharmacy	Participated
		Vrushali Patil, Ashwini Kelkar	National Level E poster Competition	NCRDs Sterling Institute of Pharmacy	Participated
		Vinay Tekawade, Ganesh Sirvi	National Level E poster Competition	NCRDs Sterling Institute of Pharmacy	Participated
2	Ms. Varsha Vaze	Gayatri Sawale, Ramika Parab	National Level E poster Competition	NCRDs Sterling Institute of Pharmacy	Participated
		Riya Panigrahi, Ramika Parab	National Level E poster Competition	NCRDs Sterling Institute of Pharmacy	Participated
		Seema Virnak, Preeti Rohkale	National Level E poster Competition	NCRDs Sterling Institute of Pharmacy, Nerul	Second Rank
3	Ms. Vijaya More	Seema Virnak	e - Poster presentation	Bharti Vidyapeeth College of Pharmacy, Belapur, Navi Mumbai	Third Rank
		Bhavesh Mahajan, Falfuni Hajare	e - Poster presentation in Rx Activity	Bombay College of Pharmacy, Mumbai	Participated and selected in Final round
4	Mrs. Prerana Sanas	Raghavdeep Sharma	Video Making Competition	IPA-SFORG	Second Winner

Table 4.8.5 Participation in inter-institute events by students of the program of study

2018-19

Sr No.	Name of Faculty	Name of students	Name of event	Organizing Institute	If Winner specify the rank
1	Varsha Vaze	Ms Gayatri Chhatre, Ms. Kinnari Chakkerwar	Prakkathan (Poster Presentation)	SIES Institute of Environment Management	Second

Table 4.8.6 Students Publication

Name Of Faculty	Name Of Students	Publication Details
Dr Gitika Dhingra	Vishakha Datta Lad, Mangesh Dattaray Kadam	Formulation Development, Evaluation And Comparative Study Of Effects Of Superdisintegrants In Fast Disintegrating Tablets Of Rubia Cardifolia”. World Journal Of Pharmaceutical And Medical Research, 5 (6); 269-272, 2019.
	Nidhi Kamble, Bhagyashree Gaikwad, Jui Kamerkar, Pranali Khedkar, Tejasvi Madhavi	Isolation Of Mucilage From Various Plant Sources And Compare Their Disintegrant Action In Tablet Formulation. Am. J. Pharmtech Res. 2021; 11(2)
	Shefali Patil, Khushbu Gupta, Deepali Gawand, Bharat Kumar Choudhary And Sudhir Vishwakarma	Impact Of Cosmetic Product Packaging On Buying Behaviour Of Consumers. European Journal Of Biomedical And Pharmaceutical Sciences volume: 8, Issue: 11; Year: 2021
Dr Archana Ingle	Snehal Mhatre, Ms. Prajakta More, Mr. Susmit Nikam, Ms. Sukshmita Sakpal, Ms. Harmanpreetkaur Doad,	“Development And Validation Of 5-Hmf Content By Uv Spectrophotometer In Honey And Fruit Juices Available In Navi-Mumbai” International Journal Of Scientific And Engineering Research 2021, Vol 12, 4 980-995.
	Nikita Kharat, Jagannath Gaikwad, Bhavana Twade	Review On “Natural Memory Enhancer” World Journal Of Pharmaceutical Research 2021, 10(5), 405-415.
	Manisha Yadav, Sonali Tomar	Review On “Covid 19 Vaccine: The Game Changer” International Journal Of Pharmacy And Pharmaceutical Research , 2021.
Mrs. M.P.Jyothi	Amey Dumbhre, Shreya Thakur, Purva Vaishampayan, Rutuja Gharat, Sanjeev Singh	A Novel Rp- Tlc Densitometry Mehod Based On Green Science For Estimation Of Apixaban In Tablet Dosage, World Journal Of Pharmacy And Pharmaceutical Sciences ,Volume 10, Issue 6, 1532-1543

	Vrushali Patil, Akshata Indore, Sabreen Khan, Neelam Choudhary, Apeksha Waghmare	Review On Met Id Studies On Phytoconstituent - Quercitin, World Journal Of Pharmacy And Pharmaceutical Sciences , Volume 10, Issue 9, 1284-1301
Mrs.Lawanya Pande	Diksha Prakash Natekar	A Review Article On Synthesis ,Isolation And Characterization Of Donepezil Hydrochloride Impurity, World Journal Of Pharmacy And Pharmaceutical Sciences, Vol 10, Issue 3, 967-989, 2021.
	Pranjali Balasaheb Belote, Pooja Sakharam Surve	A Review Article On Comparative Study On Force Degradation Of Donepezil Hydrochloride, Gis Science Journal, Volume 8, Issue 4, 2021, Page No: 1503
	Priyanka Dere, Vaishnavi Sutar ,Ayesha Baksh	A Review Article On Comparative Study On Force Degradation And Hplc Method Of Donepezil Hydrochloride, The International Journal Of Analytical And Experimental Modal Analysis, Issn No:0886-9367, Volume Xiii, Issue Viii, August/2021, Page No: 1140 – 1152
	N. G. Panhale	“Synthesis, Isolation And Characterization Of Donepezil N Oxide Impurity”, Wesleyan Journal Of Research, Vol.14 No2(I), Page No 161-166
Mr.Deepak Pokharkar	Kiran Sharma And Mihir Gudka	Drugs Targeting Rna- Small Molecules To Combat Major Diseases, Juni Khayat, Vol 10, Issue 11, November 2020.
	Mamta Rajpurohit And Samrudhi Mansukh	The Post Covid Syndrome And Precautions For Patients, Deepak Pokharkar, World Journal Of Pharmacy And Pharmaceutical Sciences, Vol 10, Issue 1, 628-637, 2021.
	Amruta Kulkarni	Stem Cell In Pharmaceutical Product- Boon To Mankind, Deepak Pokharkar, World Journal Of Pharmacy And Pharmaceutical Sciences, Vol 10, Issue 2, 724-738, 2021.
	Amisha Punmiya	A Review On Different Analytical Methods Used For Determination Of Cyclobenzaprine Hydrochloride, Gis Science Journal, Volume 8, Issue 4, 2021.
	Riya Panigrahi, Mugdha Dange, Vedvati Mahajan,	Advancement Of Artificial Intelligence In Healthcare, Juni Khyat, Vol-11 Issue-05 No.01 May 2021.

	Minal Choudhary, Lalita Choudhary And Amisha Punmiya	Telemedicine- A Boom In Healthcare System, Gis Science Journal, Volume 8, Issue 5, 2021.
	Gayatri Sawale, Komal Hubale, And Megha Kale	Review On Quality By Design And Its Applications In Pharmacy Field, World Journal Of Pharmacy And Pharmaceutical Sciences, Volume 10, Issue 6, 1290-1308, 2021
Mrs. Prerana Sanas	Samidha Shelar , Akanksha Lad , Pranjal Singh , Siddhi Said , Roopa Nair	A Review On Clinical And Therapeutic Management Of Gestational Diabetes Mellitus (Gdm)Journal Of Pharmacy And Experimental Medicine ,Mini Review Voll Issue 1,1-6 , 2021
	Komal Bhimrao Kamite , Mohini Babasaheb Rokade , Suvarna Shrinivas Channa	Detection And Evaluation Of Synthetic Food Dyes In Ice Popsicles, Using Various Techniques World Journal Of Multidisciplinary Research And Reports ,Year. 2021, Vol. 1, Issue 1,1-14
Mr. Shrikant Boharupi	Vanshika Bhoir , Ajay Jambhale, Shraddha Balsaraf,Harshada Bhamre,Pooja Chavan	Comparative Study Of Effect Of Structural Modification On Antimicrobial Activity Of Esters , Year 2021,Vol.12, Issue 3,Page No.1-15

Table 4.8.7 Rx Winners(PHO ACTIVITIES) 2020-21

Sr.No.	Date	Event Name	Campaign Name	Place
01	05/03/2021	PHO Protocol Evaluation	Best PHO Campaign	2 nd Runner up
02	05/03/201	PHO Protocol Evaluation	Best World Health Campaign	3 rd Runner up
03	05/03/2021	PHO Protocol Evaluation	Best Innovative Campaign	2 nd Runner up
04	05/03/2021	PHO Protocol Evaluation	Best Community Outreach Program	3 rd Runner up
05	05/03/2021	PHO Protocol Evaluation	Best Lockdown Health Awareness Program	3 rd Runner up

Table 4.8.8 Rx Winners 2019-2020

SR. NO	EVENTS	NAME OF PARTICIPANTS
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01.	Frame Design 1 st place	T.Y.- Sabreen Khan & Vaishnavi Sutar
02.	Abstract painting 1 st place	S.Y.- Krutika More
03.	Duet singing 2 nd place	S.y.- Ashish Bharatav& Mugdha dange
04.	Into your Shoes 2 nd place	T.y.- Kinnari Chakkerwar
05.	Solo Dancing 3 rd place	F.y.- Tanmay Gupta
06.	Candle Decoration 3 rd place	S.y.- Krutika More& Sanjana Jaiswal

Table 4.8.9 - Winners of Rx extras cultural events 2018-19

SR. NO	EVENTS	NAME OF PARTICIPANTS
01.	T-shirt designing – 2 nd position	Purva Vaishampayan Sonali Kudale
02.	Create your own mythical creature – 3 rd position	Amruta Kulkarni Maryam Pathan Sneha Shinde
03.	Dream world – 2 nd position	Shraddha Balsaraf Jagannath Gaikwad Purva Vaishampayan Sonali Kudale Susmit Nikam Vaishnavi Sawant
04.	Video journalism – 1st position	Animesh Singh

05.	Frame designing – 2nd position	Kajal Barge Swapnali Veer
06.	Solo singing – 1st position	Mugdha Dange
07	Mobile cover decor – 3 rd position	Sabreen Khan Seema Virnak
08	Rangoli – 3 rd position	Shraddha Balsaraf Roshni Naykodi

5 FACULTY INFORMATION AND CONTRIBUTIONS (175)

Total Marks 121.08

Name	PAN No.	University Degree	Date of Receiving Degree	Area of Specialization	Research Paper Publications	Ph.D Guidance	Faculty receiving Ph.D during the assessment year	Current Designation	Date (Designated as Prof/Assoc. Prof.).	Initial Date of Joining	Association Type	At present working with the Institution(Yes/No)	In case of NO, Date of Leaving	IS HOD?
Dr. RUPESH PINGALE	AMCPP2991D	M.Pharm and Ph.D	30/10/2017	PHARMACEUTICAL SCIENCES	26	0	0	Professor	29/09/2018	09/07/2007	Regular	Yes		Yes
DR. SUVARNA PHADTARE	ALWPP6169L	M.Pharm and Ph.D	31/05/2014	PHARMACEUTICAL SCIENCES	13	0	0	Associate Professor	01/04/2009	30/08/2005	Regular	Yes		No
DR. GITIKA DHINGRA	AILPA4814D	M.Pharm and Ph.D	29/08/2017	PHARMACEUTICAL SCIENCES	42	0	0	Associate Professor	02/09/2019	03/09/2007	Regular	Yes		No
DR. GOURI PALSOKAR	AQAPP0762E	M.Pharm and Ph.D	18/01/2020	PHARMACEUTICAL SCIENCES	5	0	0	Associate Professor	02/08/2021	14/08/2006	Regular	Yes		No
DR. ARCHANA INGLE	ARSPG0778L	M.Pharm and Ph.D	18/01/2019	PHARMACEUTICAL SCIENCES	11	0	0	Associate Professor	02/08/2021	08/01/2009	Regular	Yes		No
MRS. M. P. JYOTHI	AIDPD5172F	M.Pharm	16/03/2005	QUALITY ASSURANCE	2	0	0	Assistant Professor		19/07/2006	Regular	Yes		No
MS. VARSHA VAZE	AIGPV3073L	M.Pharm	07/01/2009	PHARMACOLOGY		0	0	Assistant Professor		25/10/2007	Regular	Yes		No
DR. SONALI ASKARAR	CQIPS9236G	M.Pharm and Ph.D	09/07/2021	PHARMACEUTICAL SCIENCES	10	0	0	Assistant Professor		08/01/2009	Regular	Yes		No
MRS. VIJAYA RODE	AWFPR7447D	M.Sc	20/12/2002	MICROBIOLOGY	0	0	0	Assistant Professor		18/12/2007	Regular	Yes		No

MR. DEEPAK POKHARKAR	BSTPP1033J	M.Pharm	06/06/2007	QUALITY ASSURANCE	30	0	0	Assistant Professor		19/09/2011	Regular	Yes		No
MR. PRITISH KUMURKAR	CJCPK4992C	M.Pharm	26/11/2011	PHARMACEUTICS	4	0	0	Assistant Professor		08/08/2011	Regular	Yes		No
MRS. LAWANYA PANDEY	BDVPP9810L	M.Pharm	30/04/2010	PHARMACEUTICAL CHEMISTRY	8	0	0	Assistant Professor		17/09/2011	Regular	Yes		No
MRS. PRERNA SANAS	BCIPP7593J	M.Pharm	02/06/2014	PHARMACEUTICAL CHEMISTRY	4	0	0	Assistant Professor		20/01/2018	Regular	Yes		No
MR. SHRIKANT BOHARUPI	ATKPB3817B	M.Pharm	31/05/2011	PHARMACEUTICAL CHEMISTRY	2	0	0	Assistant Professor		20/01/2020	Regular	Yes		No
MRS. KANISHKA LAKHMANI	BUTPS8881B	M.Pharm	05/02/2011	PHARMACEUTICS	5	0	0	Assistant Professor		14/10/2021	Regular	Yes		No
DR. PREETI CHOUDHARY	AZFPC0972K	M.Pharm and Ph.D	14/07/2021	PHARMACEUTICAL SCIENCES	18	0	0	Assistant Professor		16/10/2021	Regular	Yes		No
DR. M. S. GADGE	ADDPG0768P	M.Pharm and Ph.D	26/09/2001	PHARMACEUTICAL SCIENCES	3	0	0	Professor	06/01/2004	06/01/2004	Regular	No	07/01/2020	No
MRS. MAMTA VENNA	BAQPV7269F	M.Pharm	01/06/2017	PHARMACOLOGY	0	0	0	Assistant Professor		15/01/2018	Regular	No	31/05/2021	No
MRS. BRINDA SREELESH	ATSPS1527K	M.Pharm	24/05/1997	PHARMACEUTICS	11	0	0	Associate Professor	01/04/2009	15/06/2004	Regular	No	06/02/2021	No
MRS. KALPANA TILEKAR	AKBPT7446E	M.Pharm	05/02/2011	PHARMACEUTICAL CHEMISTRY	0	0	0	Assistant Professor		15/10/2010	Regular	No	31/08/2019	No

5.1 Student-Faculty Ratio (SFR) (20)

Total Marks 18.00

Institute Marks : 18

UG

No. of UG Programs in the Department

1

BACHELOR OF PHARMACY

Year of Study	CAY		CAYm1		CAYm2	
	(2020-21)		(2019-20)		(2018-19)	
	Sanction Intake	Actual admitted through lateral entry students	Sanction Intake	Actual admitted through lateral entry students	Sanction Intake	Actual admitted through lateral entry students
1st Year	60	0	60	0	60	0
2nd Year	60	8	60	8	60	8
3rd Year	60	0	60	0	60	0
4th Year	60	0	60	0	60	0
Sub-Total	240	8	240	8	240	8
Total	248		248		248	
Grand Total	248		248		248	

PG

No. of PG Programs in the Department

Grand Total	<input type="text"/>	<input type="text"/>	<input type="text"/>
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SFR

No. of UG Programs in the Department

No. of PG Programs in the Department

Description	CAY(2020-21)		CAYm1 (2019-20)		CAYm2 (2018-19)	
Total No. of Students in the Department(S)	<input type="text" value="248"/>	Sum total of all (UG+PG) students	<input type="text" value="248"/>	Sum total of all (UG+PG) students	<input type="text" value="248"/>	Sum total of all (UG+PG) students
No. of Faculty in the Department(F)	<input type="text" value="15"/>	F1	<input type="text" value="15"/>	F2	<input type="text" value="17"/>	F3
Student Faculty Ratio(SFR)	<input type="text" value="16.53"/>	SFR1=S1/F1	<input type="text" value="14.59"/>	SFR2=S2/F2	<input type="text" value="16.53"/>	SFR3=S3/F3
Average SFR	<input type="text" value="15.88"/>	SFR=(SFR1+SFR2+SFR3)/3				
F=Total Number of Faculty Members in the Department (excluding first year faculty)						

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

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

	Total number of regular faculty in the department	Total number of contractual faculty in the department
CAY(2020-21)	15	0
CAYm1(2019-20)	15	0
CAYm2(2018-19)	17	0

Average SFR for three assessment years : 15.88

Assessment SFR : 18

5.2 Faculty Cadre Proportion (20)

Total Marks 12.00

Institute Marks : 12.00

Year	Professors		Associate Professors		Assistant Professors	
	Required F1	Available	Required F2	Available	Required F3	Available
CAY(2020-21)	1.00	1.00	3.00	2.00	11.00	12.00
CAYm1(2019-20)	1.00	1.00	3.00	1.00	11.00	13.00
CAYm2(2018-19)	1.00	1.00	3.00	2.00	11.00	14.00
Average Numbers	1.00	1.00	3.00	1.67	11.00	13.00

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

5.3 Faculty Qualification (20)

Total Marks 10.08

Institute Marks : 10.08

	X	Y	F	$FQ = 2.0 \times [(10X + 6Y) / F]$
2020-21(CAY)	5	9	16.00	10.75
2019-20(CAYm1)	4	9	16.00	9.50
2018-19(CAYm2)	4	10	16.00	10.00

Average Assessment : 10.08

5.4 Faculty Retention (20)

Total Marks 16.00

Institute Marks : 16.00

Description	2019-20	2020-21
No of Faculty Retained	15	14
Total No of Faculty	17	17
% of Faculty Retained	88	82

Average : 85.00

Assessment Marks : 16.00

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

Total Marks 12.00

Institute Marks : 12.00

The institute has taken many measures to make the teaching and learning process effective. It includes following techniques for improvement in student learning:

- Use of ICT
- Instruction Delivery Methods
- Assessment Methods
- Mentorship

5.5.1 Use of ICT methods

These activities are based on the use of advanced technology. These are mainly instructional materials that faculty members have created like their videos, animations, presentations for better learning of learners.

The work of the faculty (Innovations using ICT) is available on the institute's website.

S. No.	Name of the faculty member	Subject/Class	Innovations using ICT (video, flipped classroom, any other novel method)
1.	Dr. Rupesh Pingle	-	-
2.	Dr.Suvarna Phadatare	Third Yr B.Pharm	Industrial pharmacy- preparation of paracetamol tablets- part 1-granules ready for lubrication-youtube video Vit C or ascorbic acid injection ip- youtube video
3.	Dr. Gitika Dhingra	S.Y.B.Pharm	Video- determination of freudich and langmuir isotherm constants by adsorption method.
4.	Dr. Gouri Palsokar	Final Year B Pharm, Sem Viii	Flip classroom, video, jamboard
5.	Mrs. M.P.Jyothi	Third Yr B.Pharm	Videos
6.	Mrs. Varsha Vaze	Final Year B. Pharm	Video
7.	Mrs. Vijaya S. Rode	Second Year B.Pharm. Sem Iii	Videos
8.	Dr.Sonali Askarkar	Final Year	Video
9.	Dr.Archana Gorle	Final Year	Flip classroom
10.	Mr.Pritish Kurumkar	T.Y. B.Pharm Sem-Vi Cbcs	Flip classroom
11.	Mrs. Lawanya Pande	Third Year	Video
12.	Mr.Deepak Pokharkar	Third Year	Flip classroom
13.	Mrs. Prerana Sanas	Organic Chemistry And Medicinal Chemistry	Videos
14.	Shrikant Boharupi	Key Facts Of Organic Chemistry	Videos

5.5.2 Instruction Delivery Methods

Instructional materials, also known as Teaching Learning Materials (TLM), are collection of materials that a teacher uses in teaching and learning situations to help achieve desired learning objectives. Each faculty member has made lab manual for respective subjects, which is available in the laboratories for referencing.

5.5.3 Assessment Methods:

Various assessment methods are used by faculty members to evaluate student performance . The different assessment methods include class tests, quiz, periodic , semester examinations etc and outcomes are used to improve the teaching learning process.

5.5.4 Mentoring

Mentoring in the institute is the factor that ensures better outputs and high employability for the students but also ensures high enrolment ratio .Mentor guides and helps to shape the next generation. So a mentorship system is developed in which each faculty is a mentor of 18-20 students.

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

Total Marks 15.00
Institute Marks : 15.00

Name of the faculty	Max 5 Per Faculty		
	2020-21	2019-20	2018-19
Dr. R. Pingale	3.00	0.00	0.00
Dr. M. S. Gadge	0.00	0.00	0.00
Mrs. Brinda Sreelesh	0.00	5.00	5.00
Dr. Suvarna P	5.00	5.00	5.00
Mrs. M. P. Jyothi	5.00	5.00	3.00
Dr. Gouri P	5.00	5.00	0.00
Dr. Gitika D	5.00	5.00	3.00
Ms. Varsha V	5.00	3.00	3.00
Mrs. Vjaya R	5.00	5.00	5.00
Dr. Sonali A	0.00	5.00	3.00
Dr. Archana G	5.00	5.00	0.00
Mrs. Kalpana T	0.00	0.00	0.00
Mr. Pritish K	5.00	5.00	0.00
Mrs. Lawanya P	5.00	5.00	3.00
Mr. Deepak P	5.00	3.00	0.00
Mrs. Mamta V	3.00	5.00	5.00
Mrs. Prerna S	5.00	5.00	3.00
Mr. Shrikant B	3.00	5.00	0.00
Sum	64.00	71.00	38.00
RF = Number of Faculty required to comply with 15:1 Student Faculty Ratio as per 5.1	16.53	16.53	16.53
Assessment [3*(Sum / 0.5RF)]	23.23	25.77	13.79

Average assessment over 3 years: 20.93

5.7 Research and Development (40)

5.7.1 Academic Research (10)
5.7 Details of Higher Studies

Sr. No.	Name of faculty	Area of Ph D research	University	Registered/ Awarded	Registration date and number
1.	Gitika Dhingra	Pharmaceutical Sciences	NIMS University, Jaipur	Awarded	NIMSUR/ Reg/ Ph.D./ 2009/ 9427
2.	Dr.Sonali Askarkar	Pharmaceutical Science and Technology	RTM Nagpur University, Nagpur	Awarded	28/06/2013 Ph.D.(Cell)/RRC/1309
3.	Dr. Gouri Palsokar	Industrial Pharmacy	Nagpur University	Awarded	12/01/2012 RRC/994
4.	Dr.Archana Gorle	Pharmacognosy and Phytochemistry	Mumbai	Awarded	64/6-5-2013
5.	Varsha Vaze	Pharmacology	University of Mumbai	Ongoing	579/27-07-2017
6.	Lawanya Pande	Pharmaceutical Sciences	SAGE univ,Indore	Ongoing	19PHM7PHM0005
7.	Deepak Pokharkar	Pharmaceutical Sciences	SSSUMS, Bhopal	Ongoing	SSSPHA1902/31/01/2019
8.	Pritish Kurumkar	Pharmaceutics	RK University, Rajkot	Registered	RK/FDSR/620033 Reg. Date: 24/09/2020
9.	Prerana S	pharmaceutical chemistry	SPPU	Ongoing	Provisionally Admitted
10.	Shrikant Boharupi	pharmaceutical chemistry	RK University Rajkot	Ongoing	RK/FDSR/620034 20/09/2020

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

- Number of quality publications in refereed/SCI Journals, citations, Books/Book Chapters etc. (6)

Publications	2021	2020	2019	2018
Publications in journals	25	12	5	5
Presentations at Conferences	2	1	--	--
Total no of publications and presentations	27	13	5	5
Grand Total	34	13	5	5

Table

5.7.1:Faculty Publications (AY -2021)

Sr.No.	Name of faculty	Title	Name of journal	Volume& Page issue No.	ISSN/ISBN No.	Impact factor	Year of publication
1.	Dr.Rupesh Pingale	A review on clinical and therapeutic management of geststional diabetes mellitus (GDM)	Journal of Pharmacy and Experimental Medicine	Mini Review Vol11 Issue 1 1-6	--	--	2021
		Detection and Evaluation of Synthetic Food Dyes in Ice Popsicles, Using Various Techniques	World Journal Of Multidisciplinary Research And Reports	Year. 2021, Vol. 1, Issue 1 1-14	--	--	2021
		A Review article on comparative study on force degradation of Donepezil Hydrochloride	GIS Journal	Vol8 , Issue 4 1503-1514	ISSN NO 1869-9391	3.5	2021
		Synthesis, Isolation and Characterization of Donepezil n oxide impurity	Wesleyan journal of research	vol.14 no2(i), 161-166	ISSN : 0975-1386	--	2021
		A Review article on comparative study on force degradation and HPLC method of Donepezil Hydrochloride	IJAEMA	Volume 13, Issue 8 1140-1156	ISSN NO 0886-9367	6.3	2021
		A review article on different analytical methods used for determination of Cyclobenzaprine HCl	GIS Journal	Vol8 , Issue 4 672-676	ISSN NO 1869-9391	3.5	2021
		A review article on different analytical methods used for determination of Glimeperide	GIS Journal	Vol8 , Issue 4	ISSN NO 1869-9391	3.5	2021
2.	Dr Suvarna Phadatare	Natural Memory Enhancer	World Journal of Pharmaceutical Research	Vol. 10, Issue 5 405-415	ISSN 2277-7105	SJIF Impact Factor 8.084	2021
		Development & Validation Of 5- Hmf Content By Uv Spectrophotometer In Honey & Fruit Juices Available In Navimumbai	International Journal of Scientific & Engineering Research	vol.12, issue 4 980-995	ISSN 2229-5518	3.8	2021
		Psoriasis: Causes, Diagnosis and management	World journal of pharmaceutical research	Vol 10, issue 14 1393-1406	ISSN(ONLINE) 2277-7105	8.084	2021
		Preclinical studies of microparticulate formulations for treating the ophthalmic disease	International journal of Advances in Science Engineering and Technology	Vol 9, Pg 9-11 issue2	ISSN(p) 2321-8991	--	2021

3.	Gitika Dhingra (https://www.researchgate.net/publication/345209434_Nanocarriers_as_Prospective_Approach_in_Effective_Management_of_Acne_Vulgaris)	Nanocarriers as Prospective Approach in Effective Management of Acne Vulgaris	Micro and Nano systems	Volume 13 , Issue 3	253 - 266	ISSN (Print): 1876-4029 ISSN (Online): 1876-4037	0.253	2021
		Impact of cosmetic product packaging on buying behaviour of consumer	European journal of biomedical and pharmaceutical sciences	Vol 8 issue 11	--	2349-8870	--	2021
		Improved antibacterial activity of topical gel based on nanosponge carrier of cinnamon oil	BioImpact	11(1)	23-31	ISSN: 2228-5660 (https://portal.issn.org/resource/ISSN/2228-5660) eISSN: 2228-5652 (https://portal.issn.org/resource/ISSN/2228-5652)	3.84 (2020)	2021
		Development and Characterization of LBG-PVA Interpenetrating Networks Incorporating Gliclazide for Sustained Release	Current drug therapy	Volume 16 , Issue 1	[54 - 63]	ISSN (Print): 1574-8855 ISSN (Online): 2212--3903	SCIImago Journal Rank (SJR)-0.174	2021
							Impact Score-0.57	
4.	M.P. Jyothi	A Novel Rp-Tlc Densitometry Method Based On Green Science For Estimation Of Apixaban In Tablet Dosage Form	World Journal of Pharmacy and Pharmaceutical Sciences	Volume 10, Issue 6,	1532-1543	ISSN 2278 – 4357	SJIF Impact Factor 7.632	2021
		Review On Met Id Studies On Phytoconstituentquercetin	World Journal Of Pharmacy And Pharmaceutical Science	Volume 10, Issue 9,	1284-1301	ISSN 2278 – 4357	--	2021
5.	Sonali S. Askarkar	Development & Validation Of 5- Hmf Content By Uv Spectrophotometer In Honey & Fruit Juices Available In Navimumbai	International Journal of Scientific & Engineering Research	vol.12, issue 4	980-995	ISSN 2229-5518	3.8	2021
6.	Archana G	Development & validation of 5- hmf content by uv spectrophotometer in honey & fruit juices available in navimumbai	International Journal of Scientific & Engineering Research	vol.12, issue 4	980-995	ISSN 2229-5518	3.8	2021

		Natural Memory Enhancer	World Journal of Pharmaceutical Research	Vol. 10, Issue 5	405-415	ISSN 2277-7105	SJIF Impact Factor 8.084	2021
		Review on "Covid 19 Vaccine: The Game Changer"	International Journal of Pharmacy and Pharmaceutical Research	Vol.:21, Issue:2	40-58	ISSN2349-7203		2021
		Review on Quality by Design and Its Applications In Pharmacy Field	World Journal of Pharmacy and Pharmaceutical Sciences	Vol. 10, Issue 6	1290-1308	ISSN 2278 – 4357	SJIF Impact Factor 7.632	2021
7.	Varsha Vaze	Survey on Knowledge, Attitude and beliefs regarding COVID-19 vaccination among citizens of metropolitan cities of Maharashtra.	World Journal of Pharmacy & Pharmaceutical Sciences	Vol 10, Issue 9	2184-2194	Issn2278-4357	SJIF IF 7.632	2021
8.	Pritish Kurumkar	A Review On Gastro-Retentive Drug Delivery System Along With Regional Market Survey	Journal of Pharmacy and Experimental Medicine	Vol.2 Issue 2	1-10			2021
9.	Lawnaya Pande	Synthesis, Isolation and Characterization of Donepezil n oxide impurity	Wesleyan journal of research	vol.14 no2(i)	161-166	ISSN : 0975-1386		2021
		A Review article on comparative study on force degradation of Donepezil Hydrochloride	GIS Journal	Vol 8 Issue 4	1503-1514	ISSN NO 1869-9391	3.5	2021
		A Review article on comparative study on force degradation and HPLC method of Donepezil Hydrochloride	IJAEMA	Volume 13, Issue 8	1140-1156	ISSN NO 0886-9367	6.3	2021
		Stem cell in Pharmaceutical product- Boon to Mankind	World Journal of Pharmacy and Pharmaceutical sciences	Vol 10, Issue 2	724-738	ISSN 2278 – 4357	SJIF Impact Factor 7.632	2021
		Stress stability study showing effect of Acid, Base, H ₂ O ₂ and Dry Heat on Prulifloxacin by HPTLC Method	Juni Khayat	Vol 11 Issue 1	804-813	ISSN 2278-4632		January 2021
10.	Deepak Pokharkar	The Post COVID Syndrome and Precautions for Patients	World Journal of Pharmacy and Pharmaceutical sciences	Vol 10, Issue 1	628-637	ISSN 2278 – 4357	SJIF Impact Factor 7.632	2021

Stress stability study showing effect of Acid, Base, H₂O₂ and Dry Heat on Prulifloxacin by HPTLC Method

Juni Khayat

Vol 11 804-
Issue 1 813

ISSN 2278-4632

Stem cell in Pharmaceutical product- Boon to Mankind

World Journal of
Pharmacy and
Pharmaceutical
sciences

Vol 10, 724-
Issue 2 738

ISSN 2278 – 4357

SJIF
Impact
Factor
7.632

2021

Advancement of Artificial intelligence in Healthcare

Juni Khyat,

Vol-11
Issue-05 1-13
No.01

ISSN 2278-4632

May 2021

Telemedicine- A Boom in Healthcare system

GIS SCIENCE
JOURNAL

Volume
8, Issue 5

ISSN 1869-9391

2021

Review on Quality by Design and Its Applications In Pharmacy Field

World Journal of
Pharmacy and
Pharmaceutical
Sciences

Vol. 10, 1290-
Issue 6 1308

ISSN 2278 – 4357

SJIF
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Wesleyan journal
of research

vol.14 161-
no2(i) 166

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11. Prerana
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A review on clinical and therapeutic management of geststional diabetes mellitus (GDM)

Journal of
Pharmacy and
Experimental
Medicine

Mini
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Vol1
Issue 1

1-6

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Detection and Evaluation of Synthetic Food Dyes in Ice Popsicles, Using Various Techniques

World Journal Of
Multidisciplinary
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Year.
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Vol. 1,
Issue 1

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12. Shrikant
Boharupi

comparative study of effect of structural modification on antimicrobial activity of esters".

journal of
pharmaceutical
research

Vol.I
ISSUE 1

1-15

2230-7834

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2021

Table 5.7.1: Faculty Publications (AY -2020)

Sr.No.	Name of faculty	Title	Name of journal	Volume & issue	Page No.	ISSN/ISBN No.	Impact factor	Year of publication	Mention of SIP affiliation Yes / No	Journal website	DOI
1.	Dr. Rupesh Pingale	Drugs targeting RNA- Small molecules to combat major Diseases	Juni Khayat	Vol 10, Issue 11	52-56	ISSN 2278-4632	6.6	2020	Yes	junikhyatjournal.in (http://junikhyatjournal.in/)	--

	A Review on impurity profiling of Pharmaceuticals	Juni Khayat	Vol 10, Issue 7	142-153	ISSN : 2278-4632	6.6	2020	No	junikhyatjournal.in (http://junikhyatjournal.in/)	--	
2.	Dr. Gitika Dhingra	Gold Nanocarriers-Boon in Cancer Theranostics	Current pharmaceutical design	26(40)	5134-5151	ISSN (Print): 1381-6128 ISSN (Online): 1873-4286	2.208 (2019)	2020	Yes	www.benthamscience.com/journal/cpd	10.2174/1381612826666200701151403
	Comprehensive Review of Entire Therapies	Treatment of Psoriasis:	Current Drug Safety	15	82-104	ISSN (Print): 1574-8863 ISSN (Online): 2212-3911	--	2020	Yes	https://pubmed.ncbi.nlm.nih.gov/31994468/	doi: 10.2174/1574886315666200128095958.
	Advanced Dosage Form Design: Role of Modified Natural Gums	Asian Journal of Chemistry	33 (9)	1-9	ISSN: 0975-427X ISSN (Online): 0970-7077 ISSN (Print):	--	2020	Yes	http://www.asianjournalofchemistry.co.in	10.14233/ajchem.2021.22937	
	Upcoming Drifts In Bio-Similars	CurrClinPharmacology	Volume 16, Issue 1	1-13	ISSN (Print): 2772-4328 ISSN (Online): 2772-4336	SCLImago Journal Rank (SJR)-0.565 Impact Score-2.3	2020	Yes	www.benthamscience.com/journal	10.2174/1574884715666200507131943	
	Propitious Profile of Peppery Piperine	Current Molecular Pharmacology	Minireview		ISSN (Print): 1874-4672 ISSN (Online): 1874-4702	2.254 (2017)	2020	Yes	www.benthamscience.com/journal	10.2174/1874467213666200722152636	

						SCIImago Journal Rank (SJR)- 0.232					
	COVID-19: Epidemiology, pathogenicity and global updates	International Journal of Applied Pharmaceutics	2(5)	16-28 16-28	0975-7058		2020	Yes	https://innovareacademics.in/journals/index.php/ijap	10.22159/ijap.2020v12i5.38439	
	Formulation and determination of Sun Protection Factor in a cream with naturally occurring traditional constituents	American Journal of Pharmtech Research	10 (2)	155- 1 63	2249- 3387	--	2020	Yes	www.ajptr.com (http://www.ajptr.com)	--	
3.	Sonali S. Askarkar	Validated Stability Indicating and Assay Method Development of Linagliptin in Formulation by RP-HPLC Using Quality by Design	Orbital- electronic journal of chemistry	2(12)	48-61	e-ISSN 1984-6428	0.5714	2020	no	www.orbital.ufms.br	DOI: http://dx.doi.org/10.17807/orbital.v12i2.1194 (http://dx.doi.org/10.17807/orbital.v12i2.1194)
4.	Deepak Pokharkar	A review on Different analytical methods used for evaluation of Donepezil HCL Impurities	IJAEMA Journal	Vol XII, Issue VI,	505- 516	ISSN NO : 0886-9367	6.3	June 2020	No	(ijaema.com) (http://ijaema.com/)	--
	Drugs targeting RNA- Small molecules to combat major Diseases	Juni Khayat	Vol 10, Issue 11	52-56	ISSN 2278- 4632		Nov 2020			--	

		A Review on impurity profiling of Pharmaceuticals	Juni Khayat	Vol 10, Issue -7	142-153	ISSN : 2278-4632	6.6	2020	No	junikhyatjournal.in (http://junikhyatjournal.in/)	--
5.	Lawanya Pande	Drugs targeting RNA- Small molecules to combat major Diseases	Juni Khayat	Vol 10, Issue 11	52-56	ISSN 2278-4632	6.6	November 2020	Yes	junikhyatjournal.in (http://junikhyatjournal.in/)	--
		A Review on impurity profiling of Pharmaceuticals	Juni Khayat	Vol 10, Issue -7	142-153	ISSN : 2278-4632	6.6	2020	No	junikhyatjournal.in (http://junikhyatjournal.in/)	--
		A review on Different analytical methods used for evaluation of Donepezil HCL Impurities	IJAEMA Journal	Vol XII, Issue VI,	505-516	ISSN NO : 0886-9367	6.3	June 2020	No	(ijaema.com) (http://ijaema.com/)	-

Table 5.7.1: Faculty Publications (AY – 2019)

Sr.No.	Name of faculty	Title	Name of journal	Volume & Page issue No.	ISSN/ISBN No.	Impact factor	Year of publication	Mention of SIP affiliation Yes / No	Journal website	DOI	
1.	Dr. Gitika Dhingra	Rheumatoid Arthritis Therapeutics: Neoteric Approaches	The Plant Archives	19 (2)	1323-1335	e- ISSN:2581-6063 (online), ISSN:0972-5210	0.07	2019	Yes	http://www.plantarchives.org/#next	--
		LOCK STOCK AND BARREL OF WOUND HEALING	Current Pharmaceutical Design	25(38)	4090-4107	1873-4286 (Electronic), 1873-4286 (Electronic), 1381-6128 (Linking)	2.208	2019	Yes	https://benthamscience.com/journals/current-pharmaceutical-design/	10.2174/1381612825666190926163431.
		Herbal Active Ingredients used in Skin Cosmetics	Asian Journal of Pharmaceutical and Clinical Research	12 (9)	7-15	Online ISSN: 2455-3891 | Print ISSN: 0974-2441	0.48	2019	Yes	https://innovareacademics.in/journals/index.php/ajpcrdoi.org/10.22159/ajpcr.2019.v12i9.33620	

	Inclusion Complexes of Atorvastatin Calcium Sulphobutyl Ether beta cyclodextrin with enhanced hypolipidemic activity	Journal of Applied Pharmaceutical Sciences.	9(11)	060- 068	2231-3354	0.608	2019	Yes	https://japsonline.com/index.php	10.7324/JAPS.2019.91108
	Formulation development, evaluation and comparative study of effects of superdisintegrants in fast disintegrating tablets of <i>Rubia cardifolia</i>	World Journal of Pharmaceutical and Medical Research	5 (6)	269- 272,	2455-3301		2019	Yes	https://www.wjpmr.com/	--
2.	Varsha Vaze study of effects of superdisintegrants in fast disintegrating tablets of <i>Rubia Cardifolia</i> .	World journal of pharmaceutical and medical research	5(6)	269- 272	ISSN 2455- 3301 WJPMR	SJIF Impact Factor: 4.639	2019	Yes		--

Table 5.7.1: Faculty Publications (AY – 2018)

Sr.No.	Name of faculty	Title	Name of journal	Volume & issue	Page No.	ISSN/ISBN No.	Impact factor	Year of publication	Mention of SIP affiliation Yes / No	Journal website	DOI
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1.	Mrs.Gouri Paloskar	A study of Perceived gap in between Industry and Academia with reference to the curriculum of Post graduate courses in Pharmaceutical Sciences in India.	Indian Journal of Pharmaceutical Education and Research,	52(1)	10-20,	ISSN 00195464	0.25	2018	No	https://www.ijper.org/	--
2.	Mrs.Sonali Askarkar	Design of experiment based validated stability indicating method for determination of besifloxacin hydrochloride in bulk drug and formulation	Biomed J Sci &Tech Res	4(4)	1-9			2018	No	--	--
3.	Mrs.Archana .Gorle	Development and Evaluation of <i>Rubia cordifolia</i> gel for treatment of Acne.	Research Journal Topical and Cosmetic Science	9(2)	39-43	0976- 2981 (Print) 2321-5844 (Online)		2018	Yes	www.anvpublication.org	--
		Pharmacognostic and physico-chemical evaluation of <i>Pterocarpus marsupium</i> wood	World Journal of Pharmacy and Pharmaceutical Sciences	7	1116-1126	ISSN 2278 – 4357	SJIF Impact Factor 7.421	2018	Yes	www.wjpps.com	--
		Evaluation of hypoglycemic activity of polyherbal formulation developed with bioenhancer	The Pharma Innovation Journal 2018, 7(7); 98-101.	7(7)	98-101	ISSN (E): 2277- 7695 ISSN (P): 2349-8242		2018	Yes	www.thepharmajournal.com	--

Name of faculty	Title of patent	Appln No. and Date	Patent No. / Status	Mention of SIP affiliation Yes / No
Dr. Suvarna P. Phadatare	Ophthalmic compositions containing omega 3 fatty acids	Appln no. 201821034319 Dated 12/9/2018	CBR No. 20456 Published (2018)	No
Mrs. Sonali Askarkar	Bepotastine besilate ophthalmic insert composition	Appln no. 201721013104/2017	Published(2018)	No
Mrs. Archana Gorle	“Polyherbal antidiabetic composition comprising a bioenhancer”	Appln no. 201721016680 Dated 5/12/2017	Published (2018)	No
Mrs. Sonali Askarkar	An ophthalmic pharmaceutical composition comprising Bepotastine	4773/MUM/2015 Dated 21/12/ 2015	Published(2017)	No
Mrs. Brinda Sreelesh	Novel herbal skin composition for reducing pigmentation and improvement of skin around the eye and methods for preparing the same	Appln no. 1673/MUM/2013 dated 8/5/2013	Applied- not yet published	No

5.7.2 Sponsored Research (10)

2020-21

Project Title	Duration	Funding Agency
-	-	-

2019-20

Project Title
Phytochemical Investigation and Evaluation of Antioxidant Activity of Select Variety of Medicinal Plants.
Development, characterization and solubility enhancement of comparative dissolution study for BCS Class II drug

2018-19

Project Title	Duration
Preclinical studies of novel formulations for treating inflammatory conditions.	1year -(A.Y. 2018-19)

Cumulative Amount(X + Y + Z) = 120000.00

5.7.3 Consultancy (from Industry) (10)

2020-21

Project Title	Duration	Funding Agency

2019-20

Project Title	Duration	Funding Agency

2018-19

Project Title	Duration	Funding Agency

Cumulative Amount(X + Y + Z) = 0

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

5.7.5 Development activities (5)

- Product Development - NIL
- Research laboratories - NIL
- Instructional materials

A. Product Development/Method Development

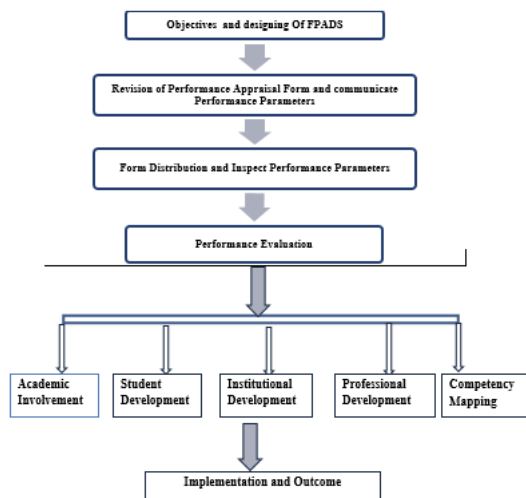
Sr.No.	Name of the faculty	Title of the Monograph	Product Developed
1.	Mrs.Brinda Sreelesh	Basic Terms in Pharmacy	nil
2.	Dr. Suvarna Phadatare	Microemulsion drug delivery system Bioadhesive polymers	nil
3.	Gouri Palsokar	Pharmacy Act 1948	nil
4.	Dr. Gitika Dhingra	Graphical Techniques in Pharmaceutical Sciences	nil
5.	Varsha Vaze	Treatment of Poisoning	nil
6.	Sonali S. Askarkar	Drug Development processes for all categories of drugs mentioned in T.Y and Final year B.pharm Pharmaceutical Chemistry syllabus	nil
7.	Archana G	Review on Ayurvedic traditional and proprietary formulations	nil
8.	Mr. Pritish Kurumkar	1.Review on introduction of Excipients 2.Preparation methods for Suspension	nil
9.	Lawnaya Pande	Basics of Organic Chemistry -I	Donepezil N oxide impurity
10.	Deepak Pokharkar	Basics of Pharmacology	New method development
11.	Mrs.Mamta Venna	Pharmacology of CNS drugs:- Quick Glance	nil
12.	Prerana Sanas	Organic In My Pocket	nil
13.	Shrikant B	Medicinal chemistry bottom ups	nil

B. Research Laboratories – NIL**C. Instructional Materials:**

Sr.No.	Name Of The Faculty	Lab manuals details, Course Year	Title of the New Experiment Course & Year
1	Mrs. Brinda Sreelesh	First year b pharm pharmaceutics I T.Y. Cosmeticology, Final year sem VIII pharmaceutics v	Ocular in situ gel for final year pharmaceutics lab
2	Dr.Suvarna Phadatare	Pharmaceutics lab II Year:- Third Y B.Pharm cbcs	Microscopic evaluation of ors powder (sybph sem iv) 1.calibration of uv spectrophotometer. 2. Determination of wavelength max and calculate absorptivity.
3	Mrs. M.P.Jyothi	Pharm Analysis -Third year and final year B.Pharm	3.determination of rateconstant and equilibrium constant by uv spectroscopy
4	Dr. Gouri Palsokar	Dispensing and community pharmacy,first year b pharm sem i (cbcs) Pharmaceutical analysis lab manual first year, sem i revised cbcs syllabus.	Ocular in situ gel for final year pharmaceutics lab.
5	Dr. Gitika Dhingra	S. Y. B. Pharm- sem III- Physical Pharmacy Lab I; Sem IV- Physical Pharmacy Lab II	To study the effect of surface active agent on surface tension. Course: - Physical Pharmacy I Year:-S. Y. B. Pharm
6	Mrs. Varsha Vaze	PCI (R-2019) HAP lab-I	--
7	Mrs. Vijaya S. Rode	Microbiology and Pharm. Biotechnol for T.Y.B.pharm., sem V (cbcs)	Isolation of streptococcus mutans from saliva (for S.Y.B.pharm., sem IV (cbcs)

8	Dr.Sonali Askarkar	Final year B. Pharm Pharmaceutical chemistry lab III	IR and UV spectra of synthesized products and comparison of that with the literature
9	Dr.Archana Gorle	Pharmacognosy lab II sem VII cbgs syllabus, pharmacognosy lab III sem VIII cbgs, pharmacognosy lab ii semvii cbcs final yr	--
10	Mr.Pritish Kurumkar	Physical inorganic chemistry lab manual (f.y. B.pharm sem-i (r- 2019)	Preparation and evaluation of sulphacetamide sodium in situ gel-, pharmaceutics lab- IV,Year: -Final Year B. Pharm sem-VIII-Preparation of aspirin tableting by slugging method,Course: - pharmaceutics lab-iii Year: T. Y. B. Pharm sem-VI cbcs
11	Mrs. Lawanya Pande	--	--
12	Mr.Deepak Pokharkar	Pharmaceutics T.Y.B.Pharm Sem VI, CBCS	Formulation of tablet
13	Mrs. Mamta Venna	Pharmacognosy lab-I (sem 2-F Y BPharm cbcs syllabus	--
14	Mrs. Prerana Sanas	Organic chemistry -II lab sem - V (TYBPharm) 2) biochemistry sem-ii (FYBPharm) 3) Pharm chem -I sem-VI (TYBPharm)	-- -- --
15	Shrikant Bahurupi	SYBPharm POC lab sem IV	--

5.8.1 Appraisal Process



Performance appraisal system has been developed and the faculty is assessed annually by the Self-Appraisal method. The objectives of FPADS include evaluation of academic involvement and student’s feedback, identification of training, professional and institutional development.

The Principal of the institute conducts individual meeting with all faculty members to discuss the appraisal parameters for better understanding and improved communication. The appraisal forms are carefully designed for capturing adequate information about the performance of the faculty. The appraisal system ensures considerations of all dimensions of the individual performance of the faculty.

Self-Appraisal form is filled by each faculty member. The principal evaluates faculty performance and provides guidance for further improvement. The evaluation parameters include subject results, beyond syllabus /co-curricular activities organized by faculty, students feedback, innovations in teaching, instructional materials, exam related work, contribution for institutional development, FDPs attended, paper and patent publications, grants received etc.

5.9 Visiting/Adjunct Faculty (5)

Total Marks 5.00

Institute Marks : 5.00

- Provision of visiting/adjunct faculty (1)
- Minimum 50 hours interaction in a year will result in 1 mark for that year; 1 marks x 4 *years = 4 marks.

Year	Number of Visiting Faculties	Number of Interaction hours	
		Odd Sem	Even Sem
2020-2021	9	134	119

2019-2020	15	238	71
2018-2019	10	124	181

Table 5.9 :Visiting Faculty (AY – 2020-2021)

S.No.	Name of the Faculty	Qualification	Semester	Class	Subject	No. of Hrs
Odd Sem						
1.	Mrs.Ruchi Bhatia	M.Pharm	Sem-1	F.Y.B.Pharm	Pharm Analysis-I	45
2.	Mrs.Reshma k	M.A. (Eng)B.ED, M.Phil	Sem-1	F.Y.B.Pharm	Communication Skills	31
3.	Mrs.Pournima D	M.Sc.Maths	Sem-1	F.Y.B.Pharm	Remedial Maths	19
4.	Mrs.Kanishka L	M.Pharm	Sem-III	S.Y.B.Pharm	Microbiology	29
5.	Mr.Prasad	Packaging Tech	Sem-V	T.Y.B.Pharm	Packaging Of Pharmaceuticals	10
6.	Mrs.Katyayani S	Packaging Tech	Sem-V	T.Y.B.Pharm	Packaging Of Pharmaceuticals	9
Even Sem						
1.	Mrs.Bhagyashree Patil	M.Pharm	Sem -IV	S.Y.B.Pharm	Physical Pharmaceutics	48
2.	Mr.Pankaj M	M.E.Computer Engineer	Sem -IV	S.Y.B.Pharm	Computer applications in Pharmacy	50
3.	Mr.Vijay shivpuje		Sem VIII	Final Year B.Pharm	IPR	21

Table 5.9 :Visiting Faculty (AY – 2019-2020)

S.No.	Name of the Faculty	Qualification	Semester	Class	Subject	No. of Hrs
Odd Sem						
1.	Ms Jagpreet Kaur	M.Sc.Organic Chemistry B.Ed	Sem-I	F.Y.B.Pharm	P- Analysis-I	35
2.	Ms Nirmala Parmar	B.Pharm			P-Inorganic Chemistry	32

		B.Pharm			Pathophysiology	26
3.	Mr.Suraj More	B.E (E&TC)			Remedial maths	17
4.	Dr Rajesh Nair	Ph.D			Communication Skill Theory	17
5.	Mr Gurmeet Graha	M.Sc.Organic Chemistry			Communication Skill Theory	23
6.	Mrs. Geetanjali P	M.Pharm	Sem-I	S.Y.B.Pharm	APP	19
7.	Mrs.Anuradha B	M.Pharm	Sem-III	S.Y.B.Pharm	PharmAnalysis-II	36
8.	Mrs. Sunita Jain	M.Sc Maths	Sem-III	S.Y.B.Pharm	Remedial Maths	25
9.	Mr Kunal Sonawane	B.Pharm MBA	Sem-V	T.Y.B.Pharm	Pharmaceutical Packaging	8
10.	Mrs. Geetanjali P	M.Pharm	Sem-VII	Final Y.B.Pharm	Pharmacognosy	68
11.	Mr.Pritam Zuvatkar	M.Pharm	Sem-VII	Final Y.B.Pharm	Pharmacognosy	18
Even Sem						
1.	Dr Archana Koli	Ph.D			APP-I	13
2.	Mr Meshre	M.E.Computer Engineer	Sem-II	F.Y.B.Pharm	Computer Applications Th/Pr	22
3.	Ms Nirmala Parmar	B.Pharm	Sem-IV	S.Y.B.Pharm	Pharmacology	18
4.	Mr.Vijay shivpuje	M.Pharm.LLB	Sem VIII	Final Year B.Pharm	IPR	18

Table 5.9 : Visiting Faculty (AY – 2018-19)

S.No.	Name of the Faculty	Qualification	Semester	Class	Subject	No. of Hrs
Odd-Sem						
1.	Mrs.Deepti Singh	M.Pharm	Sem-I	F.Y.B.Pharm	General Chemistry	43
2.	Mrs. Reshma Khandeshi	M.A.(Eng)B.ED, M.Phil	Sem-I	F.Y.B.Pharm	Commucation Skill	28
3.	Mrs.Vaishali M	M.Pharm	Sem-III	S.Y.B.Pharm	Organic Chemistry	34

4.	Mrs.Archana Koli	Ph.D	Sem.V	T.Y.B.Pharm	Microbiology	12
5.	Mr. Kunal Sonawane	B.Pharm MBA	Sem.V	T.Y.B.Pharm	Pharma Management	7
6.	Mr.Vijay shivpuje	M.Pharm., LLB	Sem VII	Final Year B.Pharm	IPR	24
Even-Sem						
1.	Mr.Pankaj M	M.E.Computer Engineer	Sem -II	S.Y.B.Pharm	Computer applications in Pharmacy	106
2.	Mrs. Reshma Khandeshi	M.A.(Eng)B.ED, M.Phil	Sem-II	F.Y.B.Pharm	EVS	25
3.	Mrs.Priyam Vasishta	M.Sc.Maths M.Phil	Sem-IV	S.Y.B.pharm	Maths	28
4.	Mrs.Pournima D	M.Sc.Maths	Sem-IV	S.Y.B.pharm	Maths	22

6 FACILITIES (120)

Total Marks 120.00

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

Total Marks 20.00

Institute Marks : 20.00

- Number of Classrooms - 04
- Classroom Numbers –103, 201, 301 and 604
- Classrooms are designed as per the guidelines of PCI & AICTE
- Adequate, well equipped classrooms with Air Conditioners, Computational and Projector facility and
- Smart board facility available in Classroom 201.



Figure 6.1: Classroom Image-I



Figure 6.2: Classroom Image-II



Figure 6.3: Classroom Image-III



Figure 6.4: Classroom Image-IV

6.2 Faculty rooms (10)

Total Marks 10.00

Institute Marks : 10.00

- Faculty room is available with furniture, partition, proper sitting arrangement, internet facility, individual computers and AC.
- Room No. 302

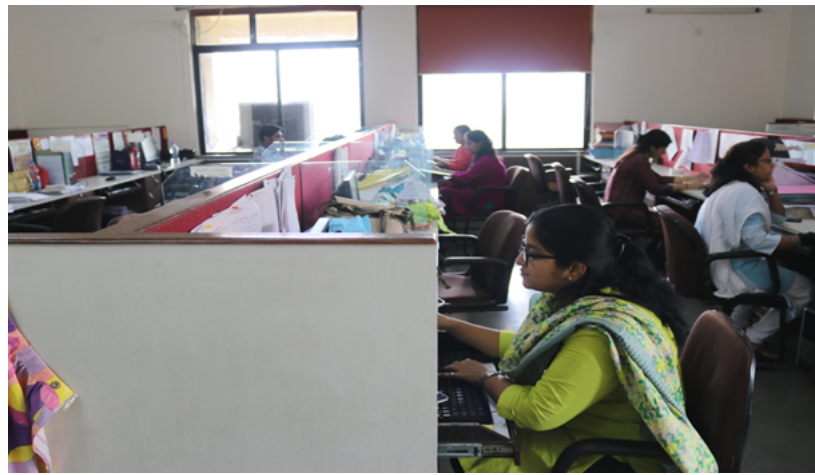


Figure 6.5: Faculty Room Image

Table 6.2.1: Description of Various Rooms/Blocks

Room Description	Number	Shared/ Exclusive	Dimensions with area	Rooms/Labs Equipped with
• Teaching and Administrative area				
Class Rooms	04	Exclusive	308sq.m.	Proper Seating Arrangement
Tutorial Room	01	Exclusive	33sq.m.	Proper Seating Arrangement
Seminar Hall/Room	01	Exclusive	132sq.m.	Proper Seating Arrangement
Principal's / Head's Chamber	01	Exclusive	30sq.m.	-
Office	01	Exclusive	150sq.m.	-
Faculty Rooms	01	Exclusive	100sq.m.	
Girl's Common Room	01	Exclusive	100sq.m	Chairs and Table
Boy's Common Room	01	Exclusive	75sq.m.	Chairs and Table
Other (Specify) Cafeteria	01	Exclusive	150sq.m.	Chairs and Table
Exam Control office	01	Exclusive	30sq.m.	-
• Laboratories and Stores				

Pharmaceutics Lab	03	Exclusive	76*3 = 228sq.m.	Single Punch Tablet Machine, Distillation assembly Ampoule sealing Gas Nozzles.
Microbiology Lab (with aseptic room)/ Biotechnology Lab	01	Exclusive	100.64sq.m.	Incubator, Autoclave,
Pharmaceutical Chemistry Lab	02	Exclusive	76*2 = 152sq.m.	Hot Air Oven, Fuming Chamber
Instrument Room	01	Exclusive	120 sq.m.	pH Meter, desiccators, Ultrasonicator, HPLC
Pharmacology Lab	02	Exclusive	76*2 = 152sq.m.	BP test apparatus, Kymographs, drums
Pharmacognosy Lab	01	Exclusive	76sq.m.	Microscopes, Herbal extract
Machine Room	01	Exclusive	76sq.m.	USP tablet Disintegration and Dissolution Apparatus, friability Test Apparatus, Rotary Tablet Punch Machine, Triple roller mill, Granulator, Planetary Mixer etc.
Computer Lab	01	Exclusive	100sq.m.	Computers
Museum	01	Exclusive	35 sq.m.	-
Central Stores- I	01	Exclusive	25sq.m.	-
Store (Inflammable)	01	Exclusive	20 sq.m.	-
Stationery store	01	Exclusive	13sq.m.	-
First aid cum sick room	01	Exclusive	10sq.m.	-

Approval letters from University of Mumbai, Pharmacy Council of India, All India Council of Technical Education indicate that all norms pertaining to faculty rooms are fulfilled. Respective copies of letters are attached herewith:

मुंबई विद्यापीठ



महाविद्यालय संलग्नता व विकास विभाग
क्र. संलग्नता/आय.सी.डी./२०२१-२२/ ५३३
३१ जुलै, २०२१

प्रति,
The Principal,
NCRD's STERLING INSTITUTE OF PHARMACY, NAVI MUMBAI
PLOT NO-93/93A SECTOR-19 NERUL NAVI MUMBAI
Nerul (East) - 400706
Tal : Thane, Dist. Thane- 400706


विषय:- शैक्षणिक वर्ष २०२१-२२ करीता व्यावसायिक अभ्यासक्रमांच्या प्रवेशाकरिता नोंदणी प्रक्रियेबाबत.

महोदय,

उपरोक्त विषयांसदर्भीय पत्रान्वये कळविण्यात येते की, शैक्षणिक वर्ष २०२१-२२ मधील पदव्युत्तर/पदवी अभ्यासक्रमांच्या प्रवेश प्रक्रिया/प्रवेश मान्यतेच्या प्रक्रियेसाठी खालील माहिती देण्यात येत आहे.

Name of College	Intake
NCRD's STERLING INSTITUTE OF PHARMACY, NAVI MUMBAI PLOT NO-93/93A SECTOR-19 NERUL NAVI MUMBAI Nerul (East) - 400706 Tal : Thane, Dist. Thane- 400706	1. B.Pharm - 60

आपला विरवासू


(दिपक चवले)

उपकुलसचिव
महाविद्यालय संलग्नता व विकास विभाग



PHARMACY COUNCIL OF INDIA

E-mail : registrar@pci.nic.in NBCC Centre, 3rd Floor Plot No.2, Community Centre
Website : www.pci.nic.in Maa Anandamai Marg Okhla Phase I
Contact : 011-61299900/01.02/03 NEW DELHI - 110020

DECISION LETTER

Institute Name / Inst ID : Nerds Sterling Institute Of Pharmacy Nerul E Near Seawood Railway Station Navi Mumbai/PCI-1439
State : MAHARASHTRA
District : THANE
Sub-District : Thane
Village/Town/City :
Pin Code : 400706



Sir / Madam

With reference to the subject cited above i am directed to convey the approval of PCI as per Following Details

Course	Name of Affiliation	Decision	Approval Status
B.Pharm	The Registrar University of Mumbai Fort Kalina Santacruz Mumbai	111 CC (6 & 7 April, 2021) B.Pharm course is already approved upto 2022-2023 academic session for 60 admissions.	Approved

Date : 14th Jul 2021

For Archana Madgal
Registrar-cum-Secretary
PCI

Copy to:

- i) Registrar of the University
- ii) Principal of the college
- iii) Secretary/Chairman of the Trust/Society
- iv) Guard File (PCI)

Note: Validity of the course details may be verified at www.pci.nic.in.

Enclosure- 6.3: Copy of Deficiency Report of All India Council of Technical Education



APPROVAL PROCESS 2021-22

Application Deficiency Report

DEFICIENCY REPORT AS PER APPLIED INTAKE (Applicable for Existing Institutions only)

Regional Office	Western	Overall Deficiency of Institution:	No
Application ID	1-011832933	Permanent ID	1-4200790
Name of the Institution	Nord'S Sterling Institute Of Pharmacy	Address	Plot No-03, Sector-19, Near Seawood Railway Station, Nand (E), Mumbai
City/Village	Navi Mumbai	District	Thane
State	Maharashtra	PIN	400706

Director/Principal Details

Designation	Name	Appointment Type	Qualification	PhD	Eligible as per AICTE Norms (YES/NO)
Director/Principal	Rupesh Pingale	Regular	B. PHARM, M. PHARM, Ph.D	Yes	Yes

Other Details

Sr. No.	Particulars	Status Provided by the Institution	Deficiency
1.	List of Faculty Member and Data Uploaded on the Institution Web Portal	Yes	No
2.	Are all Approved Teaching Faculty Member being Paid as per Present Pay VI/Scale/Commission?	Yes	No
3.	Whether Institution is Operating from Permanent Site?	Yes	No
4.	Fees to be Charged, Reservation Policy, Admission Policy and Document Retention Policy are Uploaded in Institution's Website?	Yes	No
5.	Courses/Approved Intake Displayed at the Entrance of the Institution?	Yes	No

Anti-Ragging Related Deficiency Status

Sr. No.	Particulars	Status Provided by the Institution	Deficiency
1.	Constitution of Anti-Ragging Committee	Yes	No
2.	Constitution of Anti-Ragging Squad	Yes	No
3.	Undertaking Obtained from all Students	Yes	No
4.	Appointment of Counselors	Yes	No
5.	Undertaking Obtained from Parents of all the Students	Yes	No
6.	Undertaking Obtained from Students Staying in Hostel	No Hostel	No
7.	Undertaking Obtained from Parents of Students Staying in Hostel	No Hostel	No

Institution Level Faculty Member

Sr. No.	Particulars	Actual No.	Required No. as per CI	Deficiency
1.	Total Faculty(UG+PG-Diploma)	22	22	No

Administrative Area

Sr. No.	Particulars	Actual Room Area (Sq.m.)	Expected Room Area (Sq.m.)	Deficiency
---------	-------------	--------------------------	----------------------------	------------

Date of Signature(DDMMYYYY)

Seal of Institution

Name & Signature of Director/Principal

Application Deficiency Report



Application Status: EDA Recommended by Council
 Application Sub-Status:

Report Generated on -24/09/2021

1.	Board Room	20	20	No
2.	Department Offices/Cabin for Head of Dept	20	20	No
3.	Central Store	45	30	No
4.	Exam Control Office	30	30	No
5.	Housekeeping	10	10	No
6.	Maintenance	10	10	No
7.	Office All Inclusive	150	150	No
8.	Placement Office	44	30	No
9.	Principal Directors Office	30	30	No
10.	Security	10	10	No
TOTAL		369.00	340.00	

Amenities Area

Sr. No.	Particulars	Actual Room Area (Sq. m.)	Expected Room Area (Sq. m.)	Deficiency
1.	Boys Common Room	75	75	No
2.	Cafeteria	150	150	No
3.	First aid cum Sick Room	20	10	No
4.	Girls Common Room	100	75	No
5.	Stationery Store	10	10	No
TOTAL		355.00	320.00	

Computational Facilities

Sr. No.	Particulars	Available	Required	Deficiency
1.	Printers	4	3	No
2.	A1 size Color Printers	1	0	No
3.	Number of PCs in Language lab	20	20	No
4.	Legal Application SW	10	10	No
5.	Legal System SW	1	1	No
6.	PCs to Student ratio	45	45	No

Library Facilities

Sr. No.	Particulars	Available	Required	Deficiency
1.	Volumes	14500	8000	No
2.	Titles	4508	875	No
3.	Journals	23	9	No
4.	Library Management Software	1	1	No
5.	Reading Room Seating Capacity	70	54	No
6.	MultiMediaPC	10	10	No
			2	

Instructional Area-Common Facilities

Sr. No.	Particulars	Available	Required	Deficiency
1.	Computer Center inclusive of Language Laboratory	100	75	No

Date of Signature: dd/mm/yyyy

Seal of Institution

Name & Signature of Director/Principal

Application Deficiency Report



Application Status: **EOA Recommended by Council**
 Application Sub-Status:

Report Generated on -24/09/2021

2.	Library & Reading Room	200	150	No
TOTAL		300.00	225.00	

Land Area Details.

Sr. No.	Particulars	Available	Required	Deficiency
1.	Total Area of Land	1.03	0.5	No
2.	Maximum number of Pieces	1	1	No

Existing Programme / PHARMACY

Sr. No.	Particulars	Level	Actual Room Area (Sqm)	Expected Room Area (Sqm)	Deficiency
1.	Classroom	UG	307	198	No
2.	Tutorial Room	UG	33	33	No
3.	Seminar Hall	UG/PG	132	132	No
4.	Machine Room	UG/PG	75	75	No
5.	Instrument Room	UG/PG	75	75	No
6.	Laboratory	UG	635	525	No
TOTAL			1257.00	1038.00	

Existing Programme / PHARMACY Diploma

Sr. No.	Particulars	Level	Actual Room Area (Sqm)	Expected Room Area (Sqm)	Deficiency
1.	Classroom	DIPLOMA	202	132	No
2.	Tutorial Room	DIPLOMA	33	33	No
3.	Instrument Room	DIPLOMA	75	75	No
4.	Laboratory	DIPLOMA	375	300	No
TOTAL			685.00	540.00	

Other Facilities.

Sr. No.	Particulars	Availability	Deficiency
1.	All Weather Approach(Motorised Road)	Yes	No
2.	Safety Provisions	Yes	No
3.	Sewage Disposal System	Yes	No
4.	Telephone	Yes	No
5.	Vehicle Parking	Yes	No
6.	First Aid	Yes	No
7.	Appointment of Student Counselor	Yes	No
8.	Establishment of Anti-Ragging Committee	Yes	No
9.	Establishment of Committee for SC/ST	Yes	No
10.	Establishment of Internal Complaint Committee(ICC)	Yes	No
11.	Establishment of Grievance Redressal Committee/OMBUDSMAN	Yes	No
12.	Barrier free Environment	Yes	No
13.	ACTE Approval Letters-EOA/LoA	Yes	No

Date of Signature(ss/mm/yyyy)

Seal of Institution

Name & Signature of Director/Principal

Printed By : as127144

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Application Deficiency Report



Application Status: **EDA Recommended by Council**
Application Sub-Status:

Report Generated on :-24/09/2021

14.	Institution-Industry Cell	Yes	No
15.	Digital Payment-Financial Transactions	Yes	No
16.	Food Safety and Standards	Yes	No
17.	Insurance for Students	Yes	No
18.	Applied membership-National Digital Library	Yes	No
19.	Online Grievance Redressal Mechanism	Yes	No
20.	Internal Quality Assurance Cell	Yes	No
21.	Fire and Safety Certificate	Yes	No
22.	Atleast 5 MoUs with industries	Yes	No
23.	Display of info submitted to AICTE on website	Yes	No
24.	General Insurance	Yes	No
25.	Backup Electric Supply	Yes	No
26.	Group accident policy for employees	Yes	No
27.	Implementation of student Induction Programme	Yes	No
28.	Waste Management and a sustainable Green Campus	Yes	No
29.	Display of Course(s) and Approved In entrance	Yes	No
30.	Institution Web Site-Mandatory Disclosure	Yes	No
31.	Medical & Counseling	Yes	No
32.	Notice Boards	Yes	No
33.	Potable Water Supply	Yes	No

Date of Signature(dddmm/yyyy)

Seal of Institution

Name & Signature of Director/Principal

Printed By : aa127144

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Application Deficiency Report

Application Status: **EOA Recommended by Council** Report Generated on :-24/09/2021
 Application Sub-Status:

DECLARATION
BY THE AUTHORIZED SIGNATORY OF THE INSTITUTION/DEPARTMENT

I, as the Head of the Institution, hereby declare that:

a) I have carefully gone through the AICTE Regulations 2021, published in the Gazette of India Extraordinary Part II, Section- 4 dated 04th February, 2021, also all provisions mentioned in the Approval Process Handbook 2021-22.

b) I am fully aware of the data uploaded by me in respect of my Institution on the web portal.

c) I am aware that there is no provision for correction of data, alteration of data, subsequent editing and appeal etc. for the online application once submitted on the web portal.

d) I am also aware that application for seeking Extension of Approval(EOA), Increase/Reduction of intake, Addition of new courses, Change of site, Closure of course, Supernumerary Seats under FNE/Gulf quota Approval status/OCI, NRI, Change of name, and Conversion of women Institution into Co-ed Institution and vice versa (as applicable), shall be processed as per relevant provisions enumerated in the Approval Process Handbook 2021-22.

e) I am aware of the Deficiencies (if any) pointed out in the Report generated online, based on the factual data uploaded by my Institution on the web portal.

f) I am also aware that Institution is eligible for grant of Extension of Approval to the Existing Institutions, Extended EoA(if Applicable as per APH 2021-22), only on fulfillment of prescribed norms & requirements as mentioned in the Approval Process Handbook 2021-22.

Signature of Authorized Signatory
 Name :

Deficiency 2021-22

Date of Signature(DDMMYYYY) Seal of Institution Name & Signature of Director/Principal

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

Total Marks 60.00

Institute Marks : 60.00

Enclosure 6.4: list of equipments available in each laboratory

1. Pharmaceutics Lab-I (102)

- Hot air oven
- Electric Balance
- Electronic water bath
- Freeze

2. Pharmaceutics Lab-II (202)

- Disintegration apparatus

- Digital balance
- Friabilator
- Single punch tablet machine
- Bulk density apparatus
- Hardness tester
- Vernier caliper
- Sieves
- Distillation unit
- Polarimeter
- Refractometer

3. Pharmacology Lab-I (203)

- Single organ bath
- Sherrington's rotating drum
- Human skeleton
- Monitor with CPU
- Microscope
- Vortex mini (mixer)
- Aerator
- HB meter
- Haemocytometer
- Stethoscope
- BP apparatus
- Bone set
- Hot Plate

4. Pharmaceutical Microbiology Lab /Biotechnology Lab (204)

- Hot air oven
- Freeze
- Dissolution apparatus (Make: Electrolab, Model: ETC-15, 8 Station)
- Microscope
- Magnetic stirrer
- Mechanical stirrer
- Autoclave
- Incubator
- Distillation unit

- Jet flame

5. Pharmaceutical Chemistry Lab-I (303)

- Hot air oven
- Vacuum pump
- Micro oven
- Ultrasonicator
- Hot plate
- Magnetic stirrer
- Electric balance

6. Pharmaceutical Chemistry Lab-II (304)

- Electric balance

7. Computer Lab /Language Lab (501)

- Monitors with CPU
- Printer
- Scanner
- Portable LCD
- Air Conditioners

8. Pharmacognosy Lab (602)

- Microscope
- UV lamp
- Muffle furnace
- Hot air oven
- Moisture balance
- Desiccator



Figure 6.6: Building Image



Figure 6.7: Entrance

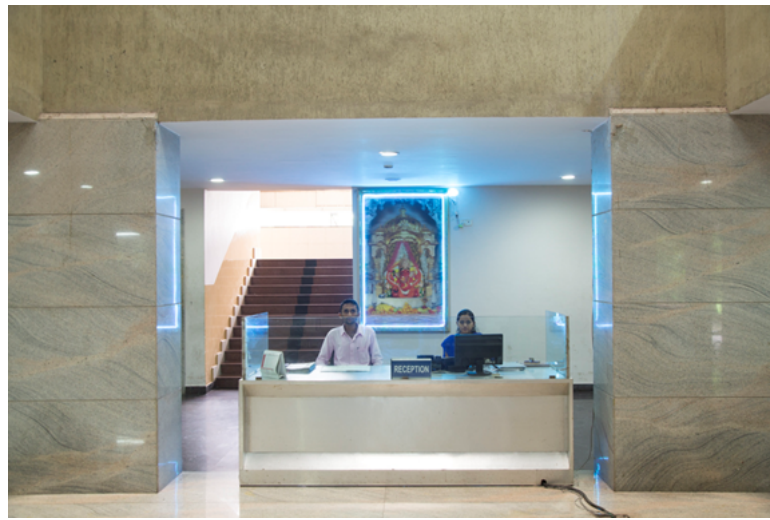


Figure 6.8: Reception



Figure 6.9: Laboratory Image- I



Figure 6.10: Laboratory Image-II



Figure 6.11: Laboratory Image- III



Figure 6.12: Machine Room image- I



Figure 6.13: Machine Room image- II



Figure 6.14: Instrument Room



Figure 6.15: Computer Lab



Figure 6.16: Library (Stack Room)



Figure 6.17: Library Reading Room



Figure 6.18: Store Room



Figure 6.19: Cafeteria



Figure 6.20: Play Ground image – I



Figure 6.21: Play Ground image – II



Figure 6.22: Seminar Hall



Figure 6.23: Provision for Physically Challenged Person



Figure 6.24: Lift facility for staff and students

Note: A separate table for Instrument room and Machine room listing all the instruments/equipment present with their make and model, existence of Standard Operating Procedures (SOPs) and Log Books for individual equipment is as follows:

Table 6.3.1: Details of Instrument Room with Equipments/Instruments

Sr. No.	Name of Instrument	Manufacturer	Model	SOP	Log Book
1	HPLC	Jasco	Jasco (LC-Net II/ADC)	YES	YES
2	UV Spectrophotometer	HITACHI	UV 2301II	YES	YES
3	pH Meter	Systronic	U Lab pH Meter 9001 MTC and U pH system 361	YES	YES
4	Colorimeter	Systronic	UC Colorimeter 115 and Colorimeter 115	YES	YES
5	Vortex Mixer	Remi	Remi CM 101 Plus	YES	YES
6	Nephelometer	Dolphin	1360	YES	YES
7	Photofluorometer 152	Systronic	Photofluorometer 152	YES	YES
8	Flame Photometer 128	Systronic	Flame photometer 128	YES	YES
9	FPM Compressor 126	Systronic	FPM Compressor 126	YES	YES

10	Computer set Printer	Acer	HP Laserjet P1108	YES	YES
11	Magnetic Stirrer	Remi	Remi 1ML	YES	YES
12	UPS System with 12 Batteries	Magatech	-	YES	YES
13	Centrifuge	Remi	Remi R4C and Remi CM12Plus	YES	YES
14	Ultrasonic Bath Sonicator	Dolphin	1.SL 50	YES	YES
15	UV Fluorescence Cabinet	Dolphin	-	YES	YES
16	Pump for HPLC	-	TID 15	YES	YES
17	Electronic Balance	Shimadzu	-	YES	YES
18	Hot Air Oven	Dolphin	-	YES	YES

Table 6.3.2: Details of Machine Room

Sr. No.	Name of Instrument	Manufacturer	Model	SOP	Log Book
1	Rotary Tablet Machine 10 Station (B Tooling)	Shakti Pharmtech Pvt Ltd	LP-1 GMP	YES	YES
2	Horizontal Main Drive	Shakti Pharmtech Pvt Ltd	SHMD-A.C.	YES	YES
3	Dosing Filling for Liquids	Shakti Pharmtech Pvt Ltd	SDFL	YES	YES
4	Dosing Filling For Ointments	Shakti Pharmtech Pvt Ltd	SDFO	YES	YES
5	Ball Mill	Shakti Pharmtech Pvt Ltd	SBM	YES	YES
6	Planetary Mixer	Shakti Pharmtech Pvt Ltd	SPM	YES	YES
7	Triple Roller Mill	Shakti Pharmtech Pvt Ltd	STRM	YES	YES
8	Wet Granulator	Shakti Pharmtech Pvt Ltd	SWG	YES	YES
9	Universal Gearing	Shakti Pharmtech Pvt Ltd	SUG	YES	YES
10	Coating Pan	Shakti Pharmtech Pvt Ltd	SCP	YES	YES
11	Double Cone Mixer	Shakti Pharmtech Pvt Ltd	SDC	YES	YES
12	Brookfield Viscometer	Brookfield Ametek	LVDV-1M	YES	YES
13	Probe Sonicator	S. CLEAN LTD.	#SM-120-PS	YES	YES
14	Dissolution Apparatus (Single Station)	Veego Ltd.	VDA-1D	YES	YES

Lab Description	BatchSize	Availability of manuals	Quality of Instrument	Safety Measures	Remarks
Machine Room (002)	20	YES	As per the norms of PCI and University of M	All Safety measures available	Refer table no. 6.4
Pharmaceutics Lab-I (102)	20	Yes	As per the norms of PCI and University of M	All Safety measures available	Refer Enclosure 6.1
Pharmaceutics Lab-II (202)	20	Yes	As per the norms of PCI and University of M	All Safety measures available	Refer Enclosure 6.1
Pharmacology Lab-I (203)	20	Yes	As per the norms of PCI and University of M	All Safety measures available	Refer Enclosure 6.1
Pharmaceutical Microbiology Lab /Biotechnology Lab (204)	20	Yes	As per the norms of PCI and University of M	All Safety measures available	Refer Enclosure 6.1
Pharmaceutical Chemistry Lab-I (303)	20	Yes	As per the norms of PCI and University of M	All Safety measures available	Refer Enclosure 6.1
Pharmaceutical Chemistry Lab-II (304)	20	Yes	As per the norms of PCI and University of M	All Safety measures available	Refer Enclosure 6.1
Computer Lab /Language Lab (501)	20	Yes	As per the norms of PCI and University of M	-----	Refer Enclosure 6.1
Instrument Room (502)	20	Yes	As per the norms of PCI and University of M	All Safety measures available	Refer table no. 6.3
Pharmaceutics Lab-III (602)	20	Yes	As per the norms of PCI and University of M	All Safety measures available	--
Pharmacognosy Lab (602)	20	Yes	As per the norms of PCI and University of M	All Safety measures available	Refer Enclosure 6.1
Pharmacology Lab-II (603)	20	Yes	As per the norms of PCI and University of M	All Safety measures available	-

6.4 Drug Museum (5)

Total Marks 5.00

Institute Marks : 5.00

- All types of dosage forms, cosmetics sample with proper labeling and informative materials are displayed in Museum at First floor. Herbal drug samples and charts are displayed Pharmacognosy Lab (603).

Table 6.4.1: Details of Museum

Sr. No.	Types of Charts and Samples	Labeling	Display
1	Various Solid Dosage Form	Yes	Yes
2	Various Liquid Dosage Form	Yes	Yes
3	Various Semisolid Dosage Form	Yes	Yes
4	Novel Drugs	Yes	Yes
5	Various Drug Models	Yes	Yes

6	Various Types of Cosmetics (Hair, Skin, Color)	Yes	Yes
7	Various Flow Charts, Tree Diagrams	Yes	Yes
8	Mini samples of glassware	Yes	Yes



Figure 6.25: Museum Image-I



Figure 6.26: Museum Image-II

6.5 Medicinal Plant Garden (5)

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

(5)

6.5.1. Types, varieties and number of plants, available in the garden:

- There are various medicinal plants available in the garden, which are listed below:

Table 6.5: Details of Medicinal Plant Garden

Sr. No.	Name of Drug	Biological source	Chemical constituent	Uses
1	Bael	Consist if fruit or leaves of the plant <i>Aegle marmelos</i>	Marmelosin, marmesin, psoralin, umbelliferone	Used in treatment of piles, tuberculosis, oedema
2	Shatavari	Obtained from <i>Asparagus racemosus</i> plant	Roots: Shatavarin I-IV Flowers and fruits: quercetin, rutin, hyperoside Leaves: quercetin, diosgenin	Used as uterine tonic
3	Lemongrass	Consist if fresh leaves of <i>Cymbopogon citrates</i> and <i>Cymbopogon flexnosus</i>	Citral, citronellal, geraniol, nerol, methylheptanol	In soaps, cosmetics, mosquito repellent
4	Vasaka	Consist if dried as well as fresh leaves of <i>Adhatoda vasica</i>	Vasicine, vasicinone, adhatodine, Vasicol, vasicinol	Expectorant and bronchodilator
5	Henna	Dried or fresh leaves of <i>Lawsonia inermis</i>	Lawsone, gallic acid, tannin, xanthones	Astringent, treatment of jaundice and liver disease
6	Brahmi	Obtained from the plant <i>Bacopa monnieni</i>	Asiaticoside, madecassoside	Used to treat skin disease alzheimers disease
7	Nerium	Consist of leaves of the plant <i>Nerium oleander</i>	Cardiac glycoside (oleandrin), rosagenin	Anti-aging effect
8	Tulsi	Obtained from the plant <i>Ocimum tenuiflocum</i>	Eugenol, methyl eugenol, carvacrol	Used to treat cold cough flu

9	Ashwangandha	Dried roots of stem bases of <i>Withania somnifera</i>	Anaferine, withanine, somniferin	Sedative and hypnotic effect
10	Harda	Consist if dried ripe fruits of <i>Terminalia chebula</i>	Chebulic acid, chebulagic, chebulinic acid, ellagic acid	Astringent, laxative, stomachic and tonic
11	Khair-Katha	Obtained from the plant <i>Senegalia catechu</i>	Catechin, catechol	Astringent used externally for boils, skin eruption
12	Arjuna	Consist of dried stem bark of plant <i>Jeminalia arjuna</i>	Arjunolic acid, arjunic acid, arjunogenin	Used as cardio tonic antidyseric
13	Ashoka	Consist of dried stem bark of plant <i>Saraca indica</i>	Haematoxylin, ketosterol, leucopelargonidin, leucocyanidin	Uterine tonic as sedative
14	Nilgiri	Consist of fresh leaves of the plant <i>Eucalyptus globules</i>	Cineole, pinene, camphene	Counter irritant expectorant
15	Pipal	Obtained from the tree <i>Ficus religiosa</i>	bergapten, bergaptol	To treat infection and treat poisoning
16	Neem	Consist if dried as well as fresh leave of <i>Azadirachta indica</i> plant	Azadirachtin, nimbin, nimbidin, salanin	Antiseptic insect repellent for skin diseases
17	Fennel	It is dried ripe fruits of <i>Foniculum vulgare</i>	Fenchone, anethole, chavicol	Carminative respiratory stimulator
18	Coriander	Consist of fruits of <i>Coriandrum sativum</i>	D-linalool, borneol, pinene, geraniol	To prevent stomach cramps
19	Caraway	Consist of dried ripe fruits of <i>Carum carvi</i>	Carvone, carvacrol, limonene	Antispasmodic carminative
20	Nag-kesar	Obtained from the tree <i>Mesna ferrea</i>	1,5-dihydroxyxanthone (II), euxanthone 7-methyl ether (IV) and β -sitosterol	To treat piles menorrhagia
21	Nutmeg	Is a kernel of dried ripe seeds of <i>Myrestica fragrans</i>	Myristicin, saffrole, elmicin	Used in treatment of rheumatism
22	Aloevera	Obtained from transversely cut fleshy leaves of <i>Aloe species</i>	Barbaloin, aloesin, aloe emodin	Used to treat skin disorders as cosmetics
23	Ajwan	Consist of dried ripe fruits of <i>Trychsperrum amni</i>	Thymol, p-cymene, terpinene, pinene	Antispasmodic carminative antifungal

24	Sapindus	Consist of dried ripe fruits of <i>Sapicandus trifoliatus</i>	trifoliosides, genins, phenolic acids, steroids, carbohydrates and tri terpenoids.	As a detergent, in soap and shampoos.
----	----------	---	--	---------------------------------------

6.5.2. Overall look and maintenance of the medicinal plant garden:

- All medicinal plants are well planted in specified area with labels.
- All medicinal plants are well maintained by using fertilizers.
- Layout for Medicinal plant garden is shown as below.



Figure 6.27 : Medicinal Plant Garden

6.6 Non Teaching Support (20)

Name of the Technical Staff	Designation	Date Of Joining	Qualification		Other Technical Skill Gained	Responsibility
			AT joining	Now		
Mr. Yogesh Mhamunkar	Technical Assistant	06/03/2006	ITI (Turner, Fitter, Welder)	-----	----	Plumbing, repairing and maintenance, electrical and official work
Mrs. Rajshree Bhor	Lab Technician	26/09/2013	M.Sc. (Chemistry)	-----	----	Preparation for the experiment, maintenance of instrument, equipment and chemical consumption record.
Mr. Nilesh Jathar	Lab Technician	06/09/2007	Diploma in Pharmacy	-----	----	Preparation for the experiment, maintenance of instrument, equipment and chemical consumption record.
Mr. Hanumant Nanavare	Lab Technician	21/09/2006	B.Sc.	----	-----	Preparation for the experiment, maintenance of instrument, equipment and chemical consumption record
Mr. Arun Kotkar	Lab Technician	22/09/2006	Diploma in Pharmacy	M. Lib	----	Maintenance of dead register for equipment and instrument. Issue of chemicals and supply to labs
Mr. Suresh Sawant	Lab Technician	01/10/2019	B.Sc. (Chemistry)	-----	----	Preparation for the experiment, maintenance of instrument, equipment and chemical consumption record.
Ms. Tejal Zolage	Lab Technician	16/10/2015	B.Sc	---	----	Preparation for the experiment, maintenance of instrument, equipment and chemical consumption record.
Mr. Piraji Karande	Lab Attendant	26/09/2007	HSC	B.A	----	Maintenance and cleaning of labs and apparatus
Mr. Dhananjay Suryawanshi	Peon	20/05/2013	SSC	-----	-----	To assist administrative work
Mrs. Sunita Khaire	Lab Attendant	13/03/2014	HSC	-----	----	Maintenance and cleaning of labs and apparatus
Mrs. Sangita Fadale	Lab Attendant	19/08/2014	HSC	-----	-----	Maintenance and cleaning of labs and apparatus
Mr. Vilas Jadhav	Lab Attendant	05/05/2016	HSC	-----	-----	Maintenance and cleaning of labs and apparatus
Mr. Pradip Sutar	Peon	21/07/2016	HSC	-----	-----	To assist administrative work
Mrs. Swati Belkar	Peon	21/07/2016	SSC	-----	-----	To assist administrative work
Mrs. Hema Deshmukh	Peon	28/11/2017	S.Y. BA	BA	----	To assist administrative work
Mr. Sandip Kalmundkar	Peon	17/01/2019	HSC	----	----	To assist administrative work
Mr. Vishnu Parab	Peon	01/04/2019	HSC	----	----	To assist administrative work

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

Table 6.6: Details of Non-teaching staff

Name of the staff	Designation with Pay Scale	Date of Joining	Qualification
Mrs. Rajashree Autade	Librarian (15600-39100 + 6000 AGP)	01/09/2004	M. Lib (First Class)
Mr. Deepak Walse	Office Superintendent (9300-34800 + 5000 AGP)	01/10/2012	M.A. (History), M.Ed. (First Class)
Mrs. Seema Jadhav	Accountant/Cashier (5200-20200 + 2400 AGP)	06/09/2010	B.Com (Second Class)
Ms. Bharti Bhand	Office Clerk (5200-20200 + 1900 AGP)	13/07/2012	B.A. (Economics and Geography) (First Class)
Mr. Prakash Sankpal	Office Clerk (5200-20200 + 1900 AGP)	21/12/2020	M. Com (Second Class)
Mr. Datta Karwande	Library Assistant (5200-20200 +1900 AGP)	23/08/2013	SSC (Second Class)

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

Institute Marks : 10.00

Table 6.7: Skill up-gradation data of non-teaching staff (AY 2017-18)

A.Y. 2017-18				
Name of Non-teaching faculty	Training Period	Topic for Training	Training Place	Training Purpose
Nilesh Jathar	25/01/2018	First Aid Awareness Program	Life Line Institute of First Aid and Emergency Medicine, Thane.	Skill Upgradation
Hanmant Nanavare	25/01/2018	First Aid Awareness Program	Life Line Institute of First Aid and Emergency Medicine, Thane.	Skill Upgradation
Arun Kotkar	25/01/2018	First Aid Awareness Program	Life Line Institute of First Aid and Emergency Medicine, Thane.	Skill Upgradation

Tejal Zolge	25/01/2018	First Aid Awareness Program	Life Line Institute of First Aid and Emergency Medicine, Thane.	Skill Upgradation
Rajashree Bhor	15/05/2018 to 19/05/2018	Five days workshop on Maintenance of Electronic Laboratory Instruments	VESCOP, Chembur	To maintain lab equipments
Tejal Zolge	15/05/2018 to 19/05/2018	Five days workshop on Maintenance of Electronic Laboratory Instruments	VESCOP, Chembur	To maintain lab equipments

Table 6.8: Skill up-gradation data of non-teaching staff (AY 2019-20)

A.Y. 2019-20				
Name of Non-teaching faculty	Training Period	Topic for Training	Training Place	Training Purpose
Mr. Arun Kotkar	16/12/2019 to 20/12/2019	Maintenance and Operation of Laboratory Equipments.	Konkan Gyanpeeth Rahul Dharkar College of Pharmacy & Research Institute, Karjat.	Skill Upgradation
Mr. Nilesh Jathal	16/12/2019 to 20/12/2019	Maintenance and Operation of Laboratory Equipments.	Konkan Gyanpeeth Rahul Dharkar College of Pharmacy & Research Institute, Karjat.	Skill Upgradation

Table 6.9: Skill up-gradation data of non-teaching staff (AY 2020-21)

A.Y. 2020-21				
Name of Non-teaching faculty	Training Period	Topic for Training	Training Place	Training Purpose
Mr. Suresh Sawant	17/03/2021 to 20/03/2021	Maintenance and Operation of Laboratory Equipments	D Y Patil Deemed to b University School of Pharmacy, Nerul	Skill Upgradation
Mr. Arun Kotkar	26/03/2021	Skill Development Program Titled Better Work Culture- Values, Morals and Ethics.	Konkan Gyanpeeth Rahul Dharkar College of Pharmacy & Research Institute, Karjat.	Personal Skill Development

Mr. Nilesh Jathal	26/03/2021	Skill Development Program Titled Better Work Culture- Values, Morals and Ethics.	Konkan Gyanpeeth Rahul Dharkar College of Pharmacy & Research Institute, Karjat.	Personal Skill Development
Mr. Hanumant Nanaware	26/03/2021	Skill Development Program Titled Better Work Culture- Values, Morals and Ethics.	Konkan Gyanpeeth Rahul Dharkar College of Pharmacy & Research Institute, Karjat.	Personal Skill Development
Mrs. Rajashree Bhor	26/03/2021	Skill Development Program Titled Better Work Culture- Values, Morals and Ethics.	Konkan Gyanpeeth Rahul Dharkar College of Pharmacy & Research Institute, Karjat.	Personal Skill Development

7 CONTINUOUS IMPROVEMENT (75)

Total Marks 60.85

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

Total Marks 10.00

Institute Marks : 10.00

Items	2016-17 (LYG)	2015-16 (LYGm1)	2014-15 (LYGm2)
Success Index (from 4.2.1)	0.38	0.40	0.18

7.2 Improvement in Placement and Higher Studies (15)

Total Marks 10.00

Institute Marks : 10.00

Items	2016-17 (LYG)	2015-16 (LYGm1)	2014-15 (LYGm2)
Placement Index (from 4.7)	0.66	0.73	0.54

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

Total Marks 5.85

Academic Performance	2016-17 (LYG)	2015-16 (LYGm1)	2014-15 (LYGm2)
Mean of CGPA or mean percentage of all successful students(X)	7.84	6.94	6.78
Total number of successful students(Y)	50.00	40.00	26.00
Total number of students appeared in the examination(Z)	50.00	56.00	37.00
API [X*(Y/Z)]:	7.84	4.96	4.76

Average API [(AP1 + AP2 + AP3)/3] : 5.85

Academic Performance = Average API = [(AP1 + AP2 + AP3)/3] : 5.85

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

Total Marks 15.00

Institute Marks : 15.00

Item		2019-20(CAYm1)	2018-19(CAYm2)	2017-18 (CAYm3)
National Level Entrance Examination NEAT	No of students admitted	03	03	00
	Opening Score/Rank	81.66	258	00
	Closing Score/Rank	80.85	91	00
State/ University/ Level Entrance Examination/ Others MH-CET	No of students admitted	60	56	58
	Opening Score/Rank	98.75	119	138
	Closing Score/Rank	9.49	51	115
Name of the Entrance Examination for Lateral Entry or lateral entry details DIPLOMA IN PHARMACY	No of students admitted	9	8	9
	Opening Score/Rank	87.4	89.5	89.9
	Closing Score/Rank	70.6	74	58.8
Average CBSE/Any other board result of admitted students(Physics, Chemistry&Maths)		63.62	64.54	64.58

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

Total Marks 20.00

Institute Marks : 20.00

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

POs	Target Level	Attainment Level	Observations
PO 1 : Pharmacy Knowledge			
PO 1	4	2.41	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
The target level has been achieved.			
The set target level for next graduating batch 2020-21 has been kept as 4.			

PO 2 : Planning abilities

PO 2	4	2.22	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
The target level has been achieved.			
The set target level for next graduating batch 2020-21 has been kept as 4.			

PO 3 : Problem Analysis

PO 3	4	2.2	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
The target level has been achieved.			
The set target level for next graduating batch 2020-21 has been kept as 4.			

PO 4 : Modern tool usage

PO 4	4	2.21	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
The target level has been achieved.			
The set target level for next graduating batch 2020-21 has been kept as 4.			

PO 5 : Leadership skills

PO 5	4	1.9	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
1. Learners will be encouraged to participate in co-curricular and extra-curricular activities.			
2. Team building games will be conducted in communication skills subject, for improving leadership skills.			

PO 6 : Professional identity

PO 6	4	2.1	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
The target level has been achieved.			
The set target level for next graduating batch 2020-21 has been kept as 4.			

PO 7 : Pharmaceutical Ethics

PO 7	4	2.11	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
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The target level has been achieved.

The set target level for next graduating batch 2020-21 has been kept as 4.

PO 8 : Communication

PO 8	4	2.22	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
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The target level has been achieved.

The set target level for next graduating batch 2020-21 has been kept as 4.

PO 9 : The pharmacist and society

PO 9	4	2.06	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
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The target level has been achieved.

The set target level for next graduating batch 2020-21 has been kept as 4.

PO 10 : Environment and Sustainability

PO 10	4	2.01	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
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The target level has been achieved.

The set target level for next graduating batch 2020-21 has been kept as 4.

PO 11 : Life-long Learning

PO 11	4	2.12	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
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The target level has been achieved.

The set target level for next graduating batch 2020-21 has been kept as 4.

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

POs	Target Level	Attainment Level	Observations
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PO 1 : Pharmacy Knowledge

PO 1	4	2.66	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
------	---	------	--

The target level has been achieved.

The set target level for next graduating batch 2019-20 has been kept as 4.

PO 2 : Planning abilities

PO 2	4	2.44	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
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The target level has been achieved.

The set target level for next graduating batch 2019-20 has been kept as 4.

PO 3 : Problem Analysis

PO 3	4	2.29	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
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The target level has been achieved.

The set target level for next graduating batch 2019-20 has been kept as 4.

PO 4 : Modern tool usage

PO 4	4	2.32	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
------	---	------	--

The target level has been achieved.

The set target level for next graduating batch 2019-20 has been kept as 4.

PO 5 : Leadership skills

PO 5	4	2.05	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
------	---	------	--

The target level has been achieved.

The set target level for next graduating batch 2019-20 has been kept as 4.

PO 6 : Professional identity

PO 6	4	2.35	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
<p>The target level has been achieved.</p> <p>The set target level for next graduating batch 2019-20 has been kept as 4.</p>			
PO 7 : Pharmaceutical Ethics			
PO 7	4	2.38	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
<p>The target level has been achieved.</p> <p>The set target level for next graduating batch 2019-20 has been kept as 4.</p>			
PO 8 : Communication			
PO 8	4	2.18	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
<p>The target level has been achieved.</p> <p>The set target level for next graduating batch 2019-20 has been kept as 4.</p>			
PO 9 : The pharmacist and society			
PO 9	4	2.24	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
<p>The target level has been achieved.</p> <p>The set target level for next graduating batch 2019-20 has been kept as 4.</p>			
PO 10 : Environment and Sustainability			
PO 10	4	2.29	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
<p>The target level has been achieved.</p> <p>The set target level for next graduating batch 2019-20 has been kept as 4.</p>			
PO 11 : Life-long Learning			
PO 11	4	2.50	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)

The target level has been achieved.

The set target level for next graduating batch 2019-20 has been kept as 4.

POs Attainment Levels and Actions for Improvement- (2017-18)

POs	Target Level	Attainment Level	Observations
PO 1 : Pharmacy Knowledge			
PO 1	4	2.49	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
The target level has been achieved. The set target level for next graduating batch 2018-19 has been kept as 4.			
PO 2 : Planning abilities			
PO 2	4	2.22	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
The target level has been achieved. The set target level for next graduating batch 2018-19 has been kept as 4.			
PO 3 : Problem Analysis			
PO 3	4	2.14	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
The target level has been achieved. The set target level for next graduating batch 2018-19 has been kept as 4.			
PO 4 : Modern tool usage			
PO 4	4	2.17	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
The target level has been achieved. The set target level for next graduating batch 2018-19 has been kept as 4.			
PO 5 : Leadership skills			
PO 5	4	2.06	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)

The target level has been achieved.

The set target level for next graduating batch 2018-19 has been kept as 4.

PO 6 : Professional identity

PO 6

4

2.20

The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)

The target level has been achieved.

The set target level for next graduating batch 2018-19 has been kept as 4.

PO 7 : Pharmaceutical Ethics

PO 7

4

2.04

The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)

The target level has been achieved.

The set target level for next graduating batch 2018-19 has been kept as 4.

PO 8 : Communication

PO 8

4

1.98

The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)

1. Group discussion session will be conducted by subject in-charge in respective class.

2. Learners will be encouraged to use language lab frequently.

PO 9 : The pharmacist and society

PO 9

4

2.08

The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)

The target level has been achieved.

The set target level for next graduating batch 2018-19 has been kept as 4.

PO 10 : Environment and Sustainability

PO 10

4

2.05

The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)

The target level has been achieved.

The set target level for next graduating batch 2018-19 has been kept as 4.

PO 11 : Life-long Learning

PO 11	4	2.23	The PO attainment level between 2 to 2.49 corresponds to target level 4 (Ref: Table 3.3.3)
-------	---	------	--

The target level has been achieved.

The set target level for next graduating batch 2018-19 has been kept as 4.

8 STUDENT SUPPORT SYSTEMS (50)**Total Marks 50.00****8.1 Mentoring system to help at individual levels (5)****Total Marks 5.00****Institute Marks : 5.00****Mentoring System:**

The college has a mentorship system for all the students of B. Pharmacy. All the faculty members are mentors for 15-20 mentees. The mentors are allocated at the time of their admission in F. Y. B. Pharm./ S. Y. B. Pharm- Lateral Entry level. Thereafter, this mentor- mentee association continues till entire course. Apart from their informal interaction, it is mandatory to have at-least two interactions in a year. A form has been designed in which relevant information of mentees is maintained by mentors for each mentee. At the end of every academic year, the forms of passed out students are compiled in the master file of that academic year. Respective mentors also fill the mentoring efficacy form.

Functioning of Mentoring System:

1. The mentors guide respective mentees about the syllabus and discuss any difficulty with respect to the curriculum, thereby help them in course work and lab specific difficulties.
2. The mentors identify the strengths of their mentees and advise them accordingly. This sort of guidance is helpful for their all-round development.
3. Counseling is the important function of mentoring. Mentees need sound advice regarding professional conduct and the culture of the institute and community.
4. The function of mentoring is befriending. Mentees need someone to whom they can speak freely.

Positive Outcomes of Mentoring System:

Students in our mentoring programs showed improvement in their academic performance, improved self-confidence, better decision-making skills and improved ability to express feelings.

For Example:

MsSushmitaNischal got admission in institute in AY 2017-18 and passed out in AY 2020-21. Ms. VarshaVaze was allocated as her mentor. Sushmita was an introvert and shy student at the time of her admission. Her SGPA score was around 6 in first four semesters (Sem I- 5.8, Sem II- 5.92, Sem III- 5.6, Sem IV- 5.7) and got fail in Anatomy, Physiology and Pathophysiology in sem I and III. Her mentor worked on the subject and guided Sushmita. She improved in pharmacology subjects. Further in T. Y. and Final Y. B. Pharm, she was clear in all the subjects. She passed B. Pharm. course with first class and CGPA was 6.75. She received her degree in AY 2020-21.

Ms. ShraddhaKamble got admission in institute in AY 2016-17. Her mentor was Mr. Deepak Pokharkar. She was observing difficulties in few subjects like General Chemistry, Physical Pharmacy, Microbiology and Pharmacology. Mr. Deepak Pokharkar contacted respective subject incharges, took extra sessions for her and she passed B. Pharm course with first class and CGPA was 7.22. Currently she is pursuing M Pharm in Instituteof Chemical Technology (ICT), Jalna, Maharashtra.

List of documents maintained during mentoring are Mentoring Policy, Mentorship form of each student, Mentor – Mentee List academic year wise, Mentoring system- efficacy determining form.

Enclosure: 8.1- Sample Mentorship form

8.2- Mentor – Mentee List 2020-21

8.3-Mentoring system- efficacy determining form

Enclosure 8.1: **MENTOR- MENTEE INTERACTION RECORD**

NCRD's Sterling Institute of Pharmacy, Nerul, Navi Mumbai

MENTOR- MENTEE INTERACTION RECORD

Name of the mentee : Nandini Kisan Mhatre

Name of the mentor : Dr. Jyoti Dhingra



MENTEE'S PERSONAL DETAILS AND HEALTH HISTORY

Date of Birth : 15/11/2000

Address : Navin Shree Usan

Room No:-112, Near shasteharai temple

Contact No. : 9136817589 ;

Email : nhatreenandi79@gmail.com

Parent's /Guardian's Detail

Name : Kisan Jansadan mhatre ;

Profession : Service

Contact No. : 9819991080 ;

E.mail : Kisanmhatre799@gmail.com

Emergency contact

Name : Nandini Mhatre ;

Phone Nos : 9136817589 / 9819991080

Other Information

Strengths : Responsible, discipline, Helpful

Weakness : Hypertension, Confused

Hobbies : Sports, Playing Badminton, Singing

NCRD's Sterling Institute of Pharmacy, Nerul, Navi Mumbai

HEALTH HISTORY

Blood Group : O+

Medical Problems /Allergies (if any) : No

Current Medications:

Name of drug : NH

Dosage and frequency : -

Indication : -

ACADEMIC PERFORMANCE: Please attach mark sheets of all semesters.

Mark sheets are attached

[Signature]
Signature of Mentor

[Signature]
Signature of Mentee

	2019-20	1	ChavanBhaskar Shankar
		2	ChavanPratikshaGulab
		3	ChemteTanmay Ashok
		4	ChoudhariManaswi Rajesh
		5	ChoudharyKishorGamnaram
		6	Choudhary Praveen Lalaram
		7	ChundawatSumanKanwar
		8	Desai ShreelekhaNeetin
		9	DhandeAnushka Vilas
	2018-19	10	ChopdeShubhmUttam
		11	ChoudhariPurvajaDilip
		12	ChoudharyMahenderManaram
		13	ChoudharyMinal S
		14	DangeMugdhaPramod
		15	DeshmukhSaloni Anil
		16	GaikwadSrushti Bharat
		17	GalandeRutujaRajendra
		18	GholvePrathamesh Narayan
		19	GhyarAadeshPrakash
Name of Faculty Member	Academic Year	Students	
		S. No	Name
Mrs. JyothiMenon			
	2020-21	1	Aamir Ahmad
		2	AnmaneSanikaRamdas
		3	BagmareAnkita Sanjay
		4	Bali NehalDevendra
	2019-20	5	Gage Abhijit Sunil
		6	GavitSnehalDamodar

		7	GawaiRohan Deepak
		8	GharatVedikaBalkrishna
		9	GosaviMayuriRavindra
2018-19		10	HubaleKomalEknath
		11	JadhavVaishaliTukaram
2017-18		12	SurvePoojaSakharam
		13	SutarVaishnaviJaywant
		14	TawdeBhavanaRavindra
		15	TekawadeVinayPandurang
		16	TiwariAshishShyamji Kumar
		17	TomarSonali Singh
		18	VirnakSeemaAnaji
		19	YadavManishaSahendraprasad
Name of Faculty Member	Academic Year	Students	
		S. No	Name
Mrs. GouriPalsokar			
	2019-20	1	Gupta Tanmay Deepak
		2	IyerRishabhBalaji
		3	Jadhav Mahesh Bhiu
		4	JadhavTruptiShashikant
		5	Jain PragyaPrakash
	2018-19	6	JaiswalSanjanaNageshwar
		7	KawadeShrutika Sanjay
		8	Khan AmnahMansoor
		9	Khan SonalAbhijit
	2017-18	10	PujarePrajaktaBalkrishna

		11	PunmiyaAmishaArvind
		12	RajpurohyitMamtaJaisingh
		13	RasalKomalBhagavan
		14	RohakalePreetiPrasanna
		15	Said Siddhi Shivaji
		16	ShelarSamidhaDinkar
		17	ShindeSnehaNarendra
		18	Singh PranjalRakesh
		19	Sirvi Ganesh Heeralal

Name of Faculty Member	Academic Year	Students	
		S. No	Name
Dr. GitikaDhingra	2019-20	1	JhaSrutiVinay
		2	KaralePoojaDnyaneshwar
		3	KonarVenkateshThillai
		4	KulkarniVardendra
		5	KutePrajaktaVajinath
	2018-19	6	KotheAditiShrikant
		7	KushwahaVidhi
		8	LodhaJayesh Sanjay
		9	MadhviAditiJagdish
		10	MahajanVedvatiShivprasad
		11	MhatreNandinikisan
		12	MhatreRutikaRoshan
		13	More KrutikaSharad
	2017-18	14	PatilAkankshaRayba
		15	PatilSamidhaTulsidas
		16	PatilVrushali Bharat
		17	PilodkarVaishnavi Vijay

		18	Pokharkar Akash Mahadev	
		19	Pathan Maryam Arif	
Name of Faculty Member	Academic Year	Students		
		S. No	Name	
Ms. Varsha Vaze				
	2020-21	1	Behera Palak Manas	
			2	Bhamre Vaishnavi Ravindra
			3	Bhoir Vedika Vikas
			4	Bhosale Tushar Subhash
			5	Bondre Bhargavee Madhukar
	2018-19		6	Naik Sarvesh Rajendra
			7	Panigrahi Riya Ramesh
			8	Parab Ramika Vijay
			9	Patil Divya Vilaschandra
			10	Patil Komal Dangadu
			11	Patil Mayuresh Vitthal Surekha
			12	Patil Sejal Bhaskar
			13	Patil Vaibhavi Rupesh
			14	Potrick Namira Khalil
	15	Sawale Gayatri Dnyaneshwar		
	2017-18		16	Mansukh Samrudhi Subhash
			17	Mashilkar Nikita Shailendra
			18	Nagotkar Mansi Vilas
19			Nichal Susmita Sambhaji	
Name of Faculty Member	Academic Year	Students		
		S. No	Name	

Mrs. SonaliAskarkar				
	2019-20	1	LodayaYashChetan	
		2	MayekarSrushti Rajesh	
		3	Nagwanshi Pratik Dinesh	
		4	PalaniappanNisha P.	
			PanchalBhavya Mohan	
	2017-18	5	GawandKalpita Rajesh	
		6	Gawand Siddhi Pradeep	
		7	Gharat Nikita Suresh	
		8	Gupta KhushbuHement	
		9	Indore Akshata	
		10	Jain Mohit Bharat	
		11	Kale MeghaSandeep	
		12	KamatkarEkta Ganesh	
		13	KelkarAshwini Ashok	
		14	Khan Rizwan Khalil Ahmed	
		15	Khan SabreenBanoAzim	
		16	KhoseDipti Shankar	
		17	KokaniNehaSubhash	
18		KulkarniAmrutaDattatraya		
19	Lad AkankshaNavalkumar			
Name of Faculty Member	Academic Year	Students		
		S. No	Name	
Mrs. ArchanaGorle				
	2019-20	1	PataitShekhar Bharat	
		2	PatilAmisha Anil	
		3	PawarSnehal Shankar	
		4	PawarSatyawanSharad	

	5	PhadakeShantanuIshwar	
2018-19	6	ShendeSujataShrawan	
	7	Shetty Trisha Mamatha	
	8	ShindeAdityaVivek	
2017-18	9	BhamareHarshadaShivaji	
	10	ChakkerwarKinnariSakhahari	
	11	ChavanPoojaNandkumar	
	12	ChoudharyBharatkumarPukhraj	
	13	ChoudharyBhavnaChimanram	
	14	ChoudharyRohanNarayanlal	
	15	DerePriyankaBalasaheb	
	16	DokeAshleshaVasant	
	17	Dugade Nikhil Anil	
	18	GaikwadAakashAvinash	
Name of Faculty Member	Academic Year	Students	
		S. No Name	
Mrs. Vijaya Rode			
2020-21	1	BoradeAaryaAvinash	
		2	BorkarRuchiManohar
		3	BorseGayatriJagannath
		4	ChavanKaruna Sunil
		5	ChavanRuturajChhagan
	6	ChoudharyRohitMahendra	
2019-20	7	RajeSamruddhiBhikaji	
	8	RakhiRaghunath	
	9	RaskarAkashBalasaheb	
	10	RatnakarPriyanka Mohan	

2018-19	11	Singh Avimesh Kumar Anupkumar
	12	SurveAkshataRajendra
	13	TejamSayaliPrakash
	14	Thakur PrathameshPramod
2017-18	15	AvhadNagarjunManik
	16	Baksh Ayesha Akhtar
	17	BalsarafShraddhaSantosh
	18	BandekarAnirup Anil
	19	BelotePranjaliBalasaheb
Name of Faculty Member	Academic Year	Students
		S. No Name
Mr. PritishKurumkar		
	2020-21	1 DabhaneShubhamShivaji
		2 DeshmukhIsha Sanjay
		3 DhakeLekha Sanjay
		4 DhuriAnant Bharat
		5 DidwaghVaibhavPrabhakar
		6 FalakDarpanRajendra
		7 Gamre Samson Edison
		8 GardiPranaliSharad
		9 GhuleShraddhaKailash
		10 Ghumare Siddhi Sanjay
2019-20	11	RupnarSayaliPandurang
	12	SalunkheKrutikaRajendra
	13	SatheSaanikaDinkar
	14	SatputeVarshaBaban
	15	SawantAnushkaShirish

	2018-19	16	ThoratMitali Harish
		17	ThoratShivaniDineshkumar
		18	WadhelePrathmiRavindra
		19	YadavNeeluRambhau
	2017-18	-	Nil
Name of Faculty Member	Academic Year	Students	
		S. No	Name
Ms. LawanyaPandey			
	2020- 21	1	Gosar Kevin Kirti
		2	Gupta JayeshRamsagar
		3	JadhaoAnandRavindra
		4	Jadhav VishwasSantosh
		5	JagtapNutanSandipan
		6	JagtapSejalRajkumar
		7	Jain ZhillGirish
		8	KadamSanikaVinod
		9	Kale KarishmaRamchandra
		10	KolekarAditya Ashok
		11	KolekarAniketAdhikrao
	2019-20	12	ShaikhNaseemAkhtar
		13	Sharma Raghavdeep
		14	ShelakePallaviBhima
		15	Shelke Sameer Kailas
		16	ShigawanAvishkarKiran
	2018-19	17	YadavRenuka Narayan Murthy
		18	BhoirVanshikaRavindra
		19	ChogaleEktaSadashiv

	2017-18	-	nil
Name of Faculty Member	Academic Year	Students	
		S. No	Name
Mr. Deepak Pokharkar			
	2020-21	1	KoliBhumikaShailendra
		2	Kudale Pratik Prakash
		3	MahajanSaurabhGirish
		4	MejariSakshiNarendra
		5	MhatreHimeya Ganesh
		6	MujawarNumanNahid
		7	NaikAaliyaMohdRafik
		8	NimseHarshalRavindra
		9	PardeshiKhushabu Kailas
		10	ParkarSafa Abdul Khalid
		11	ParmarBhargav Suresh
		12	PatilSanaya Rajesh
		13	PatilSubhamShashikant
		14	Pawar Hitesh Dajee
		15	Phadke Siddhi Ganesh
		16	PingaleSahilSatyawan
		17	PokharkarTejas Sunil
		18	RaneSujayShrikant
		19	SawantSakshiSubhash
Name of Faculty Member	Academic Year	Students	
		S. No	Name
Mrs. PrernaSanas			
	2020-21	1	ShaikhNaazneenShafiq Ahmed

	7	SanapShubhangiSubhash
	8	ShaikhMohd Ali MohdHanif
	9	Thakur ShrutiArvind
2017-18	10	AmbukarShubhamNandkumar
	11	Barge KajalShivaji
	12	BhoirAmrutaEknath
	13	Bore ReshamaPandurang
	14	DevasiJayavantKhetaram
	15	GodaseTruptiArjun
	16	Nair RoopaRajasekharan
	17	RathodMinalJalindhar
	18	Veer SwapnaliShivaji
Name of Faculty Member	Academic Year	Students
		S. No Name
Mrs. MamtaVenna		
2019-20	1	ShikhareRohitPradeep
	2	ShindePradnyaDhanaji
	3	ShindePriyankaManohar
	4	SoniAnurag Mahesh
2018-19	5	GawandDeepaliSadanand
	6	GhargeRohan Suresh
	7	PatilShefaliShekhar
	8	PhadtareMonaliSukesh

2017-18	9	NalwadeAarti Ramesh (S.Y. B.Pharm.- Lateral Entry Student)
	10	PichadSnehaBalu (S.Y. B.Pharm.- Lateral Entry Student)
	11	GodaseSuyogDnyandev (S.Y. B.Pharm.- Lateral Entry Student)
	12	PawarRajendraVasantrao (S.Y. B.Pharm.- Lateral Entry Student)
	13	Patil Vinita Suresh (S.Y. B.Pharm.- Lateral Entry Student)
	14	Khan ShaminaMohd. Islam (S.Y. B.Pharm.- Lateral Entry Student)
	15	GehlotShrawanMohanlal (S.Y. B.Pharm.- Lateral Entry Student)
	16	YadavSnehal Anil (S.Y. B.Pharm.- Lateral Entry Student)
	17	WaghmarePranali Anil (S.Y. B.Pharm.- Lateral Entry Student)
18	BhadriManisha (S.Y. B.Pharm.- Lateral Entry Student)	

NCRD's STERLING INSTITUTE OF PHARMACY

NERUL, NAVI MUMBAI

MENTORING SYSTEM

To be filled by Mentor (for students graduated from Institute):

Academic Year	2015-16 to 2018-19 <i>Adm batch</i>
Name of Mentor	Dr. Gulika Dhingra
Number of Mentee	4
Names of Mentee	1. Kharade Nilam Agarkar 2. Kulkarni Chinmay Jayant 3. Lad Vishakha Datta 4. Madrecha Raveena Mahendra
Success Stories	<ul style="list-style-type: none"> ◦ Chinmay Kulkarni is having vibrant personality. He had been academically strong student throughout four years of his studies. He got fellowship in his P.Y. B.Pharm from institute. He has developed an app (Pharmapp) cover the entire course of B.Pharm. He has got admission in NIPER. ◦ Vishakha Lad had good academic record in all four years of study. She showed <i>we conducted a study and published</i> interest in writing papers, so research paper.
Cases, where mentoring did not bring significant change	Nil

Gulika

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

Total Marks 10.00

Institute Marks : 10.00

Feedback collected for all courses: YES

Feedback Collection and Analysis Process:

The processes and their impact are described in paragraph under following headings:

- a. Student Feedback
- b. Self-Assessment of faculty members
- c. Academic Evaluation
- d. Campus Recruitment

a. Student Feedback: Student feedback questionnaire format is collected in mid-semester of each semester. Questionnaire format was devised after discussion with the faculty and undergoes modifications as and when required. There are ten questions in the questionnaire for theory subject and seven questions for practical subjects. The feedback is evaluated on question basis, which helps in identification of strong and weak sections of teaching and learning process. The feedback is collected online through google forms. The evaluation report of feedback is discussed with respective faculty members. Corrective measures suggested by him are taken by the faculty members. As a corrective measure against possible prejudices, 10% of worst opinions are not considered while analyzing the feedback.

Other than these there are other channels by which students can voice their grievances. This includes grievance redressal portal. Students are also encouraged to share their views and suggestion with the mentor to whom they are assigned. If all else fails, students have an easy access to the Principal, wherein they can directly go and complain/ share their views with him. Regular meetings of the Principal, Class Incharges and students from each class are held to get an update on syllabus completion, teaching methodology, and conduct of teaching, non-teaching and administrative staff, facilities and infrastructure.

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

1. Commendatory actions: Letters of appreciation for faculty members receiving more than 80% in their feedback.
2. Corrective actions: Teachers receiving below 60 % in their feedback are asked for their action plan for next semester.

b. Self-Assessment of Faculty Members: Each faculty member fills their performance appraisal in Self-Assessment. For every year, 100% participation was observed in this feedback process.

c. Academic Evaluation: Academic Evaluation is an important feedback criterion to evaluate student's performance in examinations. The percentage of students passing in the University Examination is an indication of subject knowledge of the students and faculty performance. The performance of the students is evaluated in each course.

d. Campus Recruitment: Interested candidates are identified and campus interviews are arranged for them. Number of candidates who were able to get job through campus interview is an effective feedback indicator of diverse activities of the Institute (Table 8.2.1).

Table 8.2.1: Data of campus placement of last three years

S. No.	Year	Total number of students	Students passed	Students placed + selected for higher studies + opted for higher studies
1.	2019-20	65	63	33
2.	2018-19	73	41	41
3.	2017-18	56	33	20

Enclosure 8.4 Sample Student Feedback Form

8.5 Sample Student Feedback analysis form

8.6 Student feedback-PO matrix

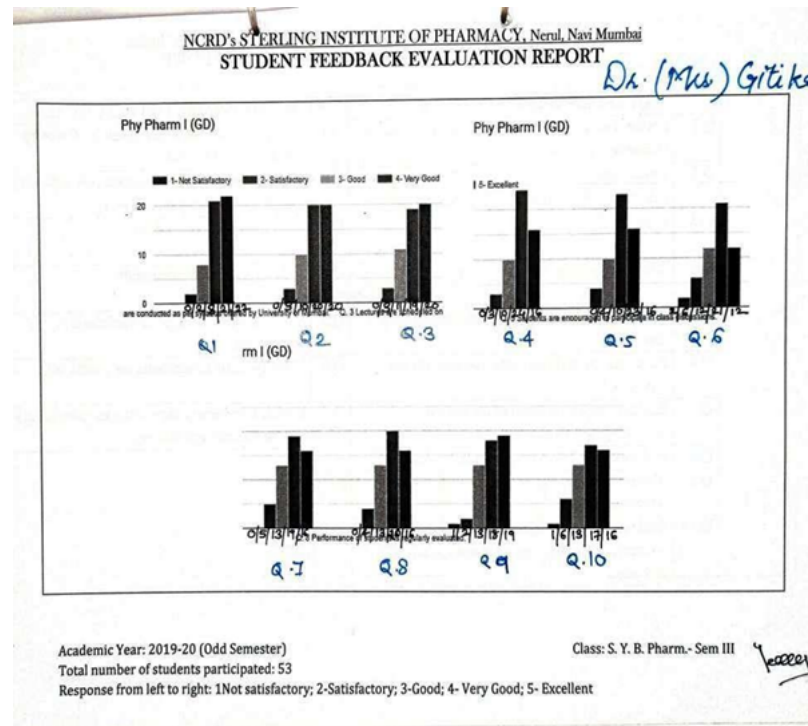
8.7 Self-Assessment Form

Enclosure 8.4- Sample Student Feedback Form

NCRD's STERLING INSTITUTE OF PHARMACY, Nerul, Navi Mumbai
STUDENT FEEDBACK EVALUATION REPORT

QUESTIONNAIRE FOR THEORY		QUESTIONNAIRE FOR PRACTICALS	
Q.1	Lectures are conducted as per syllabus offered by University of Mumbai.	Q.1	Labs are conducted as per syllabus offered by University of Mumbai.
Q.2	Understanding of course content (Lectures are delivered using examples and rephrases).	Q.2	Understanding of course content (the explanation includes examples and rephrases).
Q.3	Lectures are scheduled on time.	Q.3	Labs are scheduled on time.
Q.4	Doubts are solved successfully.	Q.4	Doubts are solved successfully.
Q.5	Students are encouraged to participate in class discussions.	Q.5	Students are encouraged to participate in discussions.
Q.6	Presentations/ quiz contests/ assignments are conducted.	Q.6	Viva/ synopsis assignments are conducted.
Q.7	Explains implementation of theoretical knowledge to Industry and Society.	Q.7	Explains implementation of the knowledge and skill to Industry and Society.
Q.8	Performance of students is regularly evaluated.		
Q.9	Modern teaching aids like LCD, OHP are used, whenever needed.		
Q.10	Students are encouraged to participate in various co-curricular, extra-curricular and social activities.		

Enclosure-8.5: Sample Student feedback analysis form



Enclosure 8.7: **Self Assessment Form**

Performance Appraisal Form

Department of MCA / MMS / B.Pharm.

Faculty Name **Designation**

Mobile No:..... **Email Id:**

Period of Evaluation: 1st June 20 to **31st May 20**

Guidelines:

1. In most of the performance parameters, criteria / measures are directly linked / mapped with number of points. In some cases, points are calculated as per the number of activities specified in the criteria / measures.
2. Relevant supporting documents (evidences) are required to be produced for verification.
3. Same document cannot be produced for different parameters in any of the category types. (Except for Joint efforts in Professional Outputs).
4. For criterion No. 2 i.e. Student Development, you are required to take the average of all Subjects (Courses)
5. Faculty who are engaging only lab / tutorial sessions are required to consider the respective theory course result for clause 2.2.
6. Faculty who are engaging only theory sessions are required to contribute for lab work by mentoring the respective faculty.
7. In case of Industrial visit for students, benefit should be given to the faculty who has organized i.e. Planned and/or Implemented.
8. Minimum 50% of the Maximum score is required to be achieved in Academic involvement and Student development for the entire faculty.

Criterion No.	Type of Category	Weight age	% weight age	Self-Appraisal	Review by Reporting Officer
1	Academic Involvement	200	26.66%		
2	Student Development	230	30.66%		
3	Institutional Development	180	24.00%		
4	Professional Development	40	05.33%		
5	Competency Mapping	100	13.33%		
	Total	750	100%		

Remarks and Suggestions by Reporting Officer:

Date:

Signature of Director

1. Academic Involvement (Maximum points = 200)						
Sr. No.	Performance Parameter along with Criteria			No. of Points	Self-Appraisal	Review by R.O.
1.	Course Allotment (Theory and / or Lab) (Difficulty level)					
	1. Subject is newly introduced by University 2. First time teaching the subject (Fresh) 3. Subject earlier taught (Repeat)			1. 15 2. 10 3. 05		
	If faculty has not engaged no. of lectures as per the syllabus then he/she is not entitled to seek these points			Max. 30		
2.	Courses Taught					
	S. No	Course / Lab name	Percentage Target achieved [No. of lectures Engaged including extra X 100] / [no. of lectures as per syllabus]	Average of all courses i.e. of Column A		
			(A)	(B)	Max. 20	
	1. B ≥100% 2. B= between 90-99% 3. B= between 80-89% 4. B= between 70-79% 5. B= less than 70%			1. 20 2. 15 3. 10 4. 05 5. 00		
3	Beyond syllabus activities :					
	1. Guest lecture by Industry expert / IIT Personnel / Entrepreneur 2. Industrial visit 3. Cultural Activities 4. Surprise test 5. Extempore 6. Presentation / Seminar 7. Sports 8. Group discussion 9. Placements (no. of students placed) 10. Administration			10 per activity Max. 40		

4	<p>Lab Work / Tutorials</p> <p><i>Case study development</i></p> <ol style="list-style-type: none"> 1. Design and development of new experiments / activities / tutorials 2. Continuous assessment 3. Problem based learning 	Max. 30		
6	<p>Innovation in Teaching:</p> <p>Describing any Novel / Innovative method like interactive / collaborative learning, flip classroom, use of ICT etc. that you have adopted to improve the effectiveness of teaching.</p>	Max. 20		
7	No. of Projects guided	10 / projects		
8	<p>University related work</p> <ol style="list-style-type: none"> 1. Paper Setting =10 2. Invigilation (04 as one activity) 3. Paper Solutions 4. Paper Assessment / Moderation 5. Design of Curriculum =5 each 6. Senior Supervisor 7. Chief Conductor 8. CAP In-charge 9. Vigilance Squad Member 	Max. 30		
Minimum score to be achieved =Total 200				

2. Student Development (Maximum Points = 230) (Average out for more than 1 subject)				
S. No.	Performance Parameter along with Criteria	No. of Points	Self-Appraisal	Review by R.O.
1	<p>Average student's attendance in the class</p> <ol style="list-style-type: none"> 1. 80% and above 2. 71% to 80% 3. 61% to 70% 4. Below 60% 	<ol style="list-style-type: none"> 1. 40 2. 30 3. 20 4. 10 		

2	<p>Course Result (if you take multiple courses, take avg.)</p> <ol style="list-style-type: none"> 1. 100% 2. Between 90%-99 % 3. Between 80% to 89% 4. Between 70% to 79% 5. Between 60% to 69% 6. Below 60% 	<ol style="list-style-type: none"> 1. 40 2. 35 3. 25 4. 20 5. 15 6. 10 		
3	<p>Topper Marks</p> <ol style="list-style-type: none"> 1. 100% 2. Between 90%-99 % 3. Between 80% to 89% 4. Between 70% to 79% 5. Between 60% to 69% 6. Below 60% (M/S= Marks/ Student) 	<ol style="list-style-type: none"> 1. 40 M/S 2. 35 M/S 3. 25 M/S 4. 20 M/S 5. 15 M/S 6. 10 M/S 		
4	<p>Student feedback (out of 5)</p> <ol style="list-style-type: none"> 1. Score above 3.5 2. Score between 3.1 to 3.5 3. Score between 2.6 to 3.0 4. Score below 2.5 	<p>Max. 30</p> <ol style="list-style-type: none"> 1. 30 2. 25 3. 15 4. 10 		
5	<p>Co-curricular activities organized by faculty:</p> <ul style="list-style-type: none"> • Project Exhibition / Poster presentation • Awards / Recognitions for the project/ paper • Technical Workshops / Seminars / training courses in computer assisted teaching • Web based Teaching and e-library skills arranged for students • Organizing debates, Group discussions, public speaking sessions. • Finishing schools / Value added courses/ Remedial/ Bridge courses <ol style="list-style-type: none"> 1. One week or more (summer/winter) 2. Three Days / 16 hrs 3. One day/ 6 hrs 	<p>Max. 50</p> <p>(10 per activity)</p>		
7	<p>Mentoring students</p> <ol style="list-style-type: none"> 1. 3 or more meetings /semester 2. 2 meetings /semester 3. 1 meeting /semester 	<ol style="list-style-type: none"> 1. 30 2. 20 3. 10 		
<p>Minimum score to be achieved =Total 230</p>				

3. Institutional Development (Maximum Points = 180)				
S. No.	Performance Parameter along with Criteria	No. of Points	Self-Appraisal	Review by R.O.
1	Organization of STTPs/ FDPs/ Workshops/ Seminars/ Refresher course/ Orientation courses/ Methodology Workshops, Training, Industrial Training, Teaching-Learning Evaluation Technology Programs: 1. 1 week or more 2. 3 days 3. 1 day to 2 days	(Max. 35) 1. 15 2. 10 3. 05		
2	Participation in STTPs/FDPs/ Workshops/ Seminars/ Symposiums/ Conferences/ Industrial Experience / Training / Industrial Training 1. 1 week or more 2. 3 days 3. 1 day to 2 days	(Max. 35) 1. 15 2. 10 3. 05		
3	Technical Presentation given by faculty within the Institute. <ul style="list-style-type: none">• New / emerging / cutting edge topic• Technical content• Literature survey• Research aspects• Presentation skills• Audience interaction	Max. 25 (05 marks / per activity)		
4	Institutional Governance responsibilities such as Principal/ CEO/VP/CAO/COO/Tech Advisor / HOD / Dean / DAO / Cluster mentor / Convenor / Co-Covenor of NAAC, NBA, IQAC etc.	10/ Role Max. 20		
7.	Faculty Interaction with outside world			
7.1	Interaction with a reputed institution abroad, institution of eminence in India, National Research Laboratories for any academic/community/research project	Max. 10		
7.2	Joint efforts in publication of books/ research paper, pursuing externally funded R&D / consultancy projects and/ or development of semester- long course / teaching modules	Max. 10		

7.3	Membership of Professional Bodies or Association with FICCI, IMC, CII, NASSCOM, CSI, IEEE, ISTE, IETE, ACM, BMA, etc. <ul style="list-style-type: none"> For Life Membership – only one time claim For Every Year renewal (paid) Membership – claim can be made for that year 	Max. 10		
7.4	Resource person in two week /one week STTP/ FDP <ul style="list-style-type: none"> Session Chair in International Conference / Symposium or Reviewer for a conference/ journal Expert for AICTE / NBA / DTE / University Keynote speaker for Conference 	Max. 10		
7.5	Developing and imparting soft skills / communication skills, personality development courses beyond syllabus	Max.10		
7.6	Institute branding activities for <ul style="list-style-type: none"> admission award eminent guests any other significant work 	Max. 15		
Total 180				

4. Professional Development (Maximum Points =40)				
S. No.	Performance Parameter along with Criteria	No. of Points	Self-Appraisal	Review by R.O.
1	Publications			
	1. National/ International Conference 2. National Journal with ISSN/ISBN no. 3. International Journal 4. POSTER presentation 5. Online International e-journal	Max. 25		
3	Qualification Up-gradation 1. Professional certification like Ph.D., Post-Doctoral 2. Value addition or Certificate courses 3. MOOCS Courses e.g., NPTEL With grades i.e. Assessment of course is done and certificate issued (claim only once at the time of receipt of Certificate/ Degree)	05		

6	1. Text or Reference Books / Monographs Published by International Publishers with an established peer review system 2. Subject Books by National/State level publishers and State/Central Govt. / University / College / Institutional Publications with ISBN/ISSN numbers	10		
Total 40				

5. Competency Mapping (Max. Points = 100) Score : Excellent= 10; Good= 05; Average = 02, Poor=0

S. No.	Performance Parameter along with Criteria	No. of Points	Self-Appraisal	Review by R.O.
1	Communication (verbal & non verbal) [Clarity in communication / presentation]	10		
2	Leadership skills, Initiative & Drive	10		
3	Towards profession and institution <ul style="list-style-type: none"> • Level of Commitment • Sense of responsibility • Accountability 	10		
4	Resource Planning, Organizing & Utilization [Steps / actions taken on execution of project/ organizing event]	10		
5	Relationship building and teamwork (Inter and intra personal) <ul style="list-style-type: none"> • Working with others in team across department • Coordination with peers • Cooperation with peers 	10		
6	Quality Consciousness [Efforts for Perfection in the assigned work /task]	10		
7	Ownership / Institute Belongingness [Efforts for Institutional Development]	10		
8	Classroom Planning and Control <ul style="list-style-type: none"> • Management of lecture and class control • Involvement of students in learning process • Curriculum / Learning Resources Development • Interest shown in curriculum development / preparation of syllabi / Preparing question bank • Giving handouts / upkeep of lab manuals / writing books • Use of library books, periodicals, journals etc. 	10		

9	<ul style="list-style-type: none"> Planned Laboratory instructions including management of practical Checking of journals and making continuous assessment of term work Planning and procurement of consumable required for practical Conducting special classes for low performance students Attitude towards maintaining cleanliness and aesthetics Interaction with teachers teaching courses other than his / her own discipline Preparation and display of instructional material 	3 Activity Max. 10		
10	<ul style="list-style-type: none"> Student Guidance and Counseling about books and literature / higher education / career planning / job opportunities / entrepreneurship / preparing for interviews / personality development / independent study techniques Assignment/ Evaluation: <ul style="list-style-type: none"> Giving assignments regularly and assessing promptly Maintaining quality and standard of questions / evaluations Providing feedback to the students about shortcomings Record keeping of student's profile 	10		
Total		100		

8.3 Feedback on facilities (5)

Total Marks 5.00

Institute Marks : 5.00

The institute continually strives to improve the quality of the various services that we provide to the students by taking feedback on facilities. The feedback on facilities is taken from students, faculty, support staff, parents and alumni. The feedback forms are evaluated; report is prepared and reviewed by Principal. The feedback is discussed with concerned department, committee or individuals and corrective measures are taken to implement changes. A repeat feedback is taken verbally from representative audience directly by Principal, wherein the students can voice their views in a confidential environment.

Regular Inspections of various regulatory bodies such as Pharmacy Council of India, Local Inquiry Committee of University of Mumbai and All India Council of Technical Education, takes place in the Institute. The reports of these Inspection Committees guide the Institute about deficiencies.

Enclosure 8.8 Facilities Feedback Form

8.9 Facilities feedback analysis form

8.10 Copy of Affiliation Letter of University of Mumbai

8.11 Copy of Deficiency Report of All India Council of Technical Education

8.12 Copy of Approval Letter of Pharmacy Council of India

Enclosure 8.8: **Facilities Feedback Form**

FACILITIES FEEDBACK FORM

Name of the Faculty/ Student : _____

Designation : _____

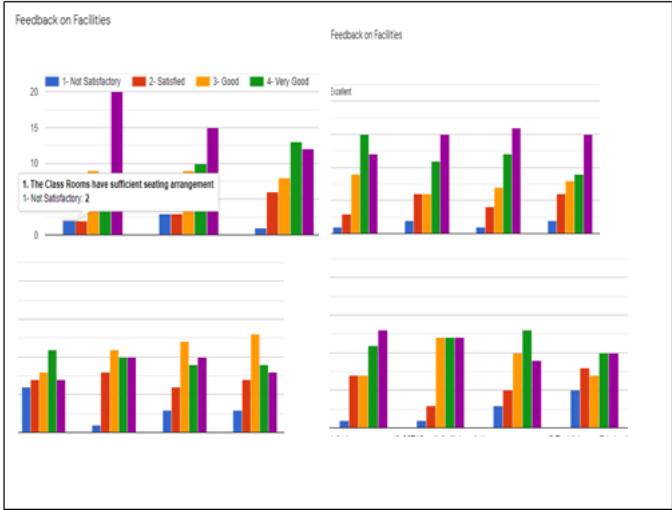
Date of joining : _____

Please mark the facilities on a scale from 5 to 1, 1- Not satisfactory; 2-Satisfactory; 3-Good; 4- Very Good; 5- Excellent

- 1. The Class Rooms have sufficient seating arrangement : ____
- 2. The labs are adequately equipped : ____
- 3. LCD/ OHP are available in class rooms : ____
- 4. The building and campus are well maintained : ____
- 5. Library is equipped with sufficient books/ journals : ____
- 6. Adequate reading area is available in library : ____
- 7. Computer and Internet Facilities are adequate : ____
- 8. Common Room for Girls and Boys are available : ____
- 9. Sports facilities are adequate : ____
- 10. Safe drinking water is available : ____
- 11. Canteen is providing clean and hygienic food : ____
- 12. Backup Electrical Supply is available : ____
- 13. CCTV Security facility is available : ____
- 14. First Aid facility is available : ____
- 15. The toilets are sufficient and clean : ____

Suggestions _____

Enclosure 8.9: Facilities feedback analysis form



Academic Year: 2020-21 (Odd Semester) Class: S. Y. B. Pharm.-Sem. III
 Total number of students participated: 45
 Response from left to right: 1-Not satisfactory; 2-Satisfactory; 3-Good; 4- Very Good; 5- Excellent

Enclosure- 8.10: Copy of Affiliation Letter of University of Mumbai

मुंबई विद्यापीठ



महाविद्यालय संलग्नता व विकास विभाग
फ. संलग्नता/आय.टी.डी./ २०२१-२२ / ५३३
२७ जुलै, २०२१

प्रति,
The Principal,
NCRD's STERLING INSTITUTE OF PHARMACY, NAVI MUMBAI
PLOT NO-93/93A SECTOR-19 NERUL NAVI MUMBAI
Nerul (East) - 400706
Tal : Thane, Dist. Thane- 400706

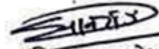
विषय:- शैक्षणिक वर्ष २०२१-२२ करिता व्यावसायिक अभ्यासक्रमांच्या
प्रवेशाकरिता नोंदणी प्रक्रियेबाबत.

महोदय,

उपरोक्त विषयांसंदर्भात पत्रान्वये कळविण्यात येते की, शैक्षणिक वर्ष २०२१-२२ मधील पदव्युत्तर/पदवी अभ्यासक्रमांच्या प्रवेश प्रक्रिया/प्रवेश मान्यतेच्या प्रक्रियेसाठी खालील माहिती देण्यात येत आहे.

Name of College	Intake
NCRD's STERLING INSTITUTE OF PHARMACY, NAVI MUMBAI PLOT NO-93/93A SECTOR-19 NERUL NAVI MUMBAI Nerul (East) - 400706 Tal : Thane, Dist. Thane- 400706	1. B.Pharm - 60

आपला विश्वासू


(दिपक वसावे)
उपकुलसचिव
महाविद्यालय संलग्नता व विकास विभाग



APPROVAL PROCESS 2021-22

Application Deficiency Report

DEFICIENCY REPORT AS PER APPLIED INTAKE (Applicable for Existing Institutions only)

Regional Office	Western	Overall Deficiency of Institution:	No
Application ID	1-9318382933	Permanent ID	1-8280790
Name of the Institution	Nord'S Sterling Institute Of Pharmacy	Address	Plot No-93, Sector-19, Near Seawood Railway Station, Nerul (E), Mumbai
City/Village	Navi Mumbai	District	Thane
State	Maharashtra	PIN	400705

Director/Principal Details

Designation	Name	Appointment Type	Qualification	PhD	Eligible as per AICTE Norms (YES/NO)
Director/Principal	Rupeah Pingale	Regular	B. PHARM, M. PHARM, Ph.D	Yes	Yes

Other Details

Sr. No.	Particulars	Status Provided by the Institution	Deficiency
1.	List of Faculty Member and Data Uploaded on the Institution Web Portal	Yes	No
2.	Are all Approved Teaching Faculty Member being Paid as per Present Pay VI/Scale/Commission?	Yes	No
3.	Whether Institution is Operating from Permanent Site?	Yes	No
4.	Fees to be Charged, Reservation Policy, Admission Policy and Document Retention Policy are Uploaded in Institution's Website?	Yes	No
5.	Courses/Approved Intake Displayed at the Entrance of the Institution?	Yes	No

Anti-Ragging Related Deficiency Status

Sr. No.	Particulars	Status Provided by the Institution	Deficiency
1.	Constitution of Anti-Ragging Committee	Yes	No
2.	Constitution of Anti-Ragging Squad	Yes	No
3.	Undertaking Obtained from all Students	Yes	No
4.	Appointment of Counselors	Yes	No
5.	Undertaking Obtained from Parents of all the Students	Yes	No
6.	Undertaking Obtained from Students Staying in Hostel	No Hostel	No
7.	Undertaking Obtained from Parents of Students Staying in Hostel	No Hostel	No

Institution Level Faculty Member

Sr. No.	Particulars	Actual No.	Required No. as per CI	Deficiency
1.	Total Faculty(UG+PG+Diploma)	22	22	No

Administrative Area

Sr. No.	Particulars	Actual Room Area (Sq.m.)	Expected Room Area (Sq.m.)	Deficiency
---------	-------------	--------------------------	----------------------------	------------

Date of Signature(dd/mm/yyyy)

Seal of Institution

Name & Signature of Director/Principal

Application Deficiency Report



Application Status: **EOA Recommended by Council**
 Application Sub-Status:

Report Generated on :-24/09/2021

1.	Board Room	20	20	No
2.	Department Offices/Cabin for Head of Dept	20	20	No
3.	Central Store	45	30	No
4.	Exam Control Office	30	30	No
5.	Housekeeping	10	10	No
6.	Maintenance	10	10	No
7.	Office All Inclusive	150	150	No
8.	Placement Office	44	30	No
9.	Principal Directors Office	30	30	No
10.	Security	10	10	No
TOTAL		369.00	340.00	

Amenities Area

Sr. No.	Particulars	Actual Room Area (Sq. m.)	Expected Room Area (Sq. m.)	Deficiency
1.	Boys Common Room	75	75	No
2.	Cafeteria	150	150	No
3.	First aid cum Sick Room	20	10	No
4.	Girls Common Room	100	75	No
5.	Stationery Store	10	10	No
TOTAL		355.00	320.00	

Computational Facilities

Sr. No.	Particulars	Available	Required	Deficiency
1.	Printers	4	3	No
2.	A1 size Color Printers	1	0	No
3.	Number of PCs in Language lab	20	20	No
4.	Legal Application S/W	10	10	No
5.	Legal System S/W	1	1	No
6.	PCs to Student ratio	45	45	No

Library Facilities

Sr. No.	Particulars	Available	Required	Deficiency
1.	Volumes	14500	6000	No
2.	Titles	4508	675	No
3.	Journals	23	9	No
4.	Library Management Software	1	1	No
5.	Reading Room Seating Capacity	70	54	No
6.	MultiMediaPC	10	10	No

Instructional Area-Common Facilities

Sr. No.	Particulars	Available	Required	Deficiency
1.	Computer Center inclusive of Language Laboratory	100	75	No

Date of Signature:dd/mm/yyyy

Seal of Institution

Name & Signature of Director/Principal

Application Deficiency Report



Application Status: **EOA Recommended by Council**
 Application Sub-Status:

Report Generated on :-24/09/2021

2.	Library & Reading Room	200	150	No
TOTAL		300.00	225.00	

Land Area Details

Sr. No.	Particulars	Available	Required	Deficiency
1.	Total Area of Land	1.03	0.5	No
2.	Maximum number of Pieces	1	1	No

Existing Programme / PHARMACY

Sr. No.	Particulars	Level	Actual Room Area (Sqm)	Expected Room Area (Sqm)	Deficiency
1.	Classroom	UG	307	198	No
2.	Tutorial Room	UG	33	33	No
3.	Seminar Hall	UG/PG	132	132	No
4.	Machine Room	UG/PG	75	75	No
5.	Instrument Room	UG/PG	75	75	No
6.	Laboratory	UG	635	525	No
TOTAL			1257.00	1038.00	

Existing Programme / PHARMACY-Diploma

Sr. No.	Particulars	Level	Actual Room Area (Sqm)	Expected Room Area (Sqm)	Deficiency
1.	Classroom	DIPLOMA	202	132	No
2.	Tutorial Room	DIPLOMA	33	33	No
3.	Instrument Room	DIPLOMA	75	75	No
4.	Laboratory	DIPLOMA	375	300	No
TOTAL			685.00	540.00	

Other Facilities

Sr. No.	Particulars	Availability	Deficiency
1.	All Weather Approach(Motorised Road)	Yes	No
2.	Safety Provisions	Yes	No
3.	Sewage Disposal System	Yes	No
4.	Telephone	Yes	No
5.	Vehicle Parking	Yes	No
6.	First Aid	Yes	No
7.	Appointment of Student Counselor	Yes	No
8.	Establishment of Anti-Ragging Committee	Yes	No
9.	Establishment of Committee for SC/ST	Yes	No
10.	Establishment of Internal Complaint Committee(ICC)	Yes	No
11.	Establishment of Grievance Redressal Committee/OMBUDSMAN	Yes	No
12.	Barrier free Environment	Yes	No
13.	AICTE Approval Letters- EoA/LoA	Yes	No

Date of Signature:dd/mm/yyyy

Seal of Institution

Name & Signature of Director/Principal

Application Deficiency Report



Application Status: **EOA Recommended by Council**
Application Sub-Status:

Report Generated on :-24/09/2021

14.	Institution-Industry Cell	Yes	No
15.	Digital Payment-Financial Transactions	Yes	No
16.	Food Safety and Standards	Yes	No
17.	Insurance for Students	Yes	No
18.	Applied membership-National Digital Library	Yes	No
19.	Online Grievance Redressal Mechanism	Yes	No
20.	Internal Quality Assurance Cell	Yes	No
21.	Fire and Safety Certificate	Yes	No
22.	Atleast 5 MoUs with industries	Yes	No
23.	Display of info submitted to AICTE on website	Yes	No
24.	General Insurance	Yes	No
25.	Backup Electric Supply	Yes	No
26.	Group accident policy for employees	Yes	No
27.	Implementation of student Induction Programme	Yes	No
28.	Waste Management and a sustainable Green Campus	Yes	No
29.	Display of Course(s) and Approved In entrance	Yes	No
30.	Institution Web Site-Mandatory Disclosure	Yes	No
31.	Medical & Counseling	Yes	No
32.	Notice Boards	Yes	No
33.	Potable Water Supply	Yes	No

Date of Signature(dd/mm/yyyy)

Seal of Institution

Name & Signature of Director/Principal



Application Deficiency Report



Application Status: EOA Recommended by Council
Application Sub-Status:

Report Generated on :-24/09/2021

DECLARATION

BY THE AUTHORIZED SIGNATORY OF THE INSTITUTION/DEPARTMENT

I, as the Head of the Institution, hereby declare that:

- a) I have carefully gone through the AICTE Regulations 2021, published in the Gazette of India Extraordinary Part III, Section- 4 dated 04th February, 2021, also all provisions mentioned in the Approval Process Handbook 2021-22.
- b) I am fully aware of the data uploaded by me in respect of my Institution on the web portal.
- c) I am aware that there is no provision for correction of data, alteration of data, subsequent editing and appeal etc. for the online application once submitted on the web portal.
- d) I am also aware that application for seeking Extension of Approval(EOA), Increase/Reduction of Intake, Addition of new courses, Change of site, Closure of course, Supernumerary Seats under FN/Gulf quota Approval status/OCI, NRI, Change of name, and Conversion of women Institution into Co-ed Institution and vice versa (as applicable), shall be processed as per relevant provisions enumerated in the Approval Process Handbook 2021-22.
- e) I am aware of the Deficiencies (if any) pointed out in the Report generated online, based on the factual data uploaded by my Institution on the web portal.
- f) I am also aware that Institution is eligible for grant of Extension of Approval to the Existing Institutions, Extended EoA(if Applicable as per APH 2021-22),only on fulfillment of prescribed norms & requirements as mentioned in the Approval Process Handbook 2021-22.

Signature of Authorized Signatory

Name :

Date of Signature(dd/mm/yyyy)

Seal of Institution

Name & Signature of Director/Principal



PHARMACY COUNCIL OF INDIA

E-mail : registrar@pci.nic.in

NBCC Centre, 3rd Floor Plot No.2, Community Centre

Website : www.pci.nic.in

Maa Anandamai Marg Okhla Phase I

Contact : 011-61299900/01/02/03

NEW DELHI - 110020

DECISION LETTER

Institute Name / Inst ID : Nerds Sterling Institute Of Pharmacy Nerul E Near Seawood Railway Station Navi Mumbai/PCI-1439

State : MAHARASHTRA

District : THANE

Sub-District : Thane

Village/Town/City :

Pin Code : 400706



Sir / Madam

With reference to the subject cited above i am directed to convey the approval of PCI as per Following Details

Course	Name of Affiliation	Decision	Approval Status
B.Pharm	The Registrar University of Mumbai Fort Kalina Santacruz Mumbai	111 CC (6 & 7 April, 2021) B.Pharm course is already approved upto 2022-2023 academic session for 60 admissions.	Approved

Date : 14th Jul 2021

For Archana Mudgal
Registrar-cum-Secretary
PCI

Copy to:

- i) Registrar of the University
- ii) Principal of the college
- iii) Secretary/Chairman of the Trust/Society
- iv) Guard File (PCI)

Note: Validity of the course details may be verified at www.pci.nic.in.

8.4 Self Learning (5)

Self-learning improves the students reading comprehension, analytical power and thus helps student to become independent. Self-learning is promoted in the institute by generating self-learning facilities under various modes:

I – Self Learning within curriculum:

1. Experimental Skill Development: Each and every student is instructed to perform lab experiments at individual level. This improves technical, analytical and decision-making skills.
2. Classroom Presentations: Individual or group of students prepare and present topics from curriculum, which helps them in inculcating better communication skills and makes them more confident.
3. Library: Library timings are 9 a.m to 6 p.m. It houses various e journals and reference books. The e-journals and reference books contain the updates of all technical subjects.
4. Assignments- Students are given atleast one assignment per semester based on requirement of the course like, textbook assignment or library-based assignment, problem assignment which encourages the use of references and stimulates reflective thinking.

II– Self Learning beyond syllabus:

1. Language Laboratory: The purpose of Language Lab is to involve students to actively participate in language learning exercises and get more practice than possible in a classroom.
2. Web based learning: The Internet is an open information system in which various sources of information, media and materials such as texts, images, video sequences can be linked together in diverse ways to form so-called self-learning environments. The institute has created central internet facility, 40 computer terminals facility to promote and motivate students to self-learning.
3. Industrial Visits/Hospital Visits: Field Visits helps to combine theoretical knowledge with industrial knowledge. Industrial realities are open to the students through industrial visits (Table 8.4.1).

Table 8.4.1: Data of industrial visits and hospital visit

S. No	Name of Industry	Class	Date
1.	Beta Drugs Ltd, Baddi, DistSolan, Himachal Pradesh	T. Y. B. Pharm.	Jan 2020
2	Coastal and Marine Biodiversity Centre, Airoli, Navi Mumbai	F. Y. B. Pharm.	Feb 2020
3	Gelnova Pvt. Ltd., MAHAPE, Navi Mumbai	S. Y. B. Pharm	March 2019
4.	Unichem laboratories, Pilerne Industrial Estate, Goa	T. Y. B. Pharm.	Feb 2019
5.	Cipla Ltd., Patalganga, Dist.Raigad	T. Y. B. Pharm	Sep 2018
S. No	Name of Hospital	Class	Date
1.	Apollo Hospitals, CBD Belapur, Navi Mumbai	F. Y. B. Pharm	April 2019

4. Summer Training: Summer training enables students to practice pharmacy profession in a strong skillful and determined manner.

8.5 Career Guidance, Training, Placement (10)**Training and Placement Cell:**

Sterling Institute of Pharmacy has Training and Placement Cell. Regular placement-oriented training programs are conducted in the institute.

Placement Cell (AY 2020-21)

In-charge : Mrs. Lawanya Pandey

Members : 1. Mrs. Jyothi Menon

Career Guidance:

The Career Guidance activities include:

1. Broad exploration of various career options: the members of placement cell spend considerable time in discussing the goals and concerns with students. The institute conducts various sessions to offers career guidance on all aspects of career planning, job searching and post-graduate studies (Table 8.5.1).
2. Based on the student's interest, the institute brings alumni/alumnae to campus, to participate/deliver seminars on career fields. The institute encourages students, who are interested in higher studies to give various competitive exams.
3. Institute assist students with the application process to post-graduate and professional schools, including advising on optimal application strategies, reviewing personal statements.

Table 8.5.1: Seminars from industry experts

Academic Year	Topic	Resource Person	B.Pharm Class
2020-21			
	Quality by Design & Design of Experiments	Mr. Deepak Singh, Head, R and D Sales, Gansons Limited is an expert in QbD and DOE	Third and Final Year B. Pharm
	Applications of Chem Draw	DrPraful Gupta, Senior executive and Technical Head, Organix Scientific, Gurgaon	Second- & Third-Year B. Pharm
	Career Opportunities in Pharmacovigilance	MrVithalNagane, Senior Executive Pharmacovigilance Department, Sun Pharma, Mumbai.	Third & Final Year B. Pharm
2019- 20			
	Entrepreneurship	Mr. Sager Chandani, Head, CIBA, Mentor at Start up India	Final Year
	Drug Regulatory Affairs as a career	Mrs. KanchanBhide, Manager Cipla Ltd.	TY
	Offbeat career choices after B.Pharm	MrShivpuje, PatlexBuisiness Solutions Pvt Ltd, Mumbai	TY, FINAL YEAR
	Stress Management	Mrs. VasundharaJakka, Founder, Mind Spark Consultant	SY
	Motivation	MrSachinTayade, International Motivational Speaker , SAKAL.	FY,SY,TY
	Bioavailability and Bioequivalence Studies	Mr Deepak Singh, Head R & D (sales), Gansons Ltd. Thane.	TY,SY
2018-19			

	Basic Principles in Unit Operations in Pharma Industry	MrMilindJadhav, General Manager, Turbhe Chemicals Pvt Ltd, Navimumbai	Second Yr. B.Pharm
	Application of Drug Physicochemical Characterization in Drug Discovery	Dr Anita Menon, Manager, Site Operations, Analytics Solubility and Physicochemical Properties, MERCK , Germany	Third and Final Yr. B.Pharm
	Role of HPTLC in Herbal Drug Standardization”	ShriShahrukhBarucha, Sr Lab Manager, Anchrom , Mulund, Mumbai	Third Yr. B.Pharm

Summer Training:

Summer training enables students to practice pharmacy profession in a strong skillful and determined manner. One-month training program acquaints our students with actual operations of industry. Our main goal is to provide early exposure to students about the actual working experience in industry. Practical knowledge is equally important as theoretical knowledge! The students record their experiences in a training report which is submitted after the training. The training is usually conducted in the month of May-June every year. The placement cell co-ordinates the training program at different levels as mentioned below (Table 8.5.2, 8.5.3):

Table 8.5.2: Training Program Protocol

F. Y. B. Pharm students	F. Y. B. Pharm students undergo training in conventional medical stores. This enables them to get acquainted with the knowledge of dispensing medicines and understand patient- pharmacist relationship. The student gets a general idea of how to set a pharmacy medical store with proper license and layout.
S. Y. B. Pharm students	S. Y. B. Pharm students work at hospital pharmacies. This enables them to get an idea about the pharmaceutical working system of hospitals. They are provided with basic knowledge of inpatient care, dispensing and understand how differently inpatient and outpatient system works.
T. Y. B. Pharm students	T. Y. B. Pharm students undergo training in pharmaceutical companies for about one month. This training is in turn helpful for the actual student's placement in final year. They are provided with knowledge of actual manufacturing and dispensing process of products. Students are placed in different sectors of the company like production, quality control and assurance, sales and marketing etc.

Placement:

Placement data is mentioned in Table 8.2.1.

Table 8.2.1: Data of campus placement of last three years

S. No.	Year	Total number of students	Students passed	Students placed + selected for higher studies + opted for higher studies
1.	2019-20	65	63	33

2.	2018-19	73	41	41
3.	2017-18	56	33	20

Top recruiters include Merck Pharmaceuticals, Madhukar Hormones And Steroids Ltd, Cipla Pvt Ltd, TATA Consultancy Services, Lupin Pvt Ltd and Medlife Pvt Ltd.

8.6 Entrepreneurship Cell (5)

Total Marks 5.00

Institute Marks : 5.00

Objective: "To develop institutional mechanism to create entrepreneurial culture in the institute to foster growth of innovation and entrepreneurship amongst the students".

Process: Interested students are shortlisted in Third year of B. Pharmacy program and given exposure to various aspects of entrepreneurship by various techniques like organizing guest lectures, seminars, discussions. They are also exposed to industrial environment through industrial training that starts from first year of the program.

- Summer training programmes to promote entrepreneurial skill development.
- Entrepreneurship seminars

Table 8.6.1: Entrepreneurship Cell

S. No.	Name	Designation
1.	Dr. Rupesh Pingale	Chairperson
2.	Dr. Prashant Gundawar, Director, NCRD's Sterling Institute of Management Studies, Navi Mumbai	Member
3.	Dr. Archana Gorle	Member
4.	Mr. Deepak Pokharkar	Member
5.	Mrs. Lawanya Pandey	Member
6.	Mr. Jayesh Lokhande, Founder, Medihum Healthcare, Navi Mumbai	Member
7.	Mr. Prathmesh Penderkar, Director, Mofic and Doav (India)	Member
8.	Ms. Deepali Bharti, D'Fab Herbals, Navi Mumbai	Member
9.	Mr. Ganesh Chavan, Founder, Family Care Pharmacy, Goregan, Mumbai	Member
10.	Mr. Aditya Shinde, Founder, Shilpa Medical and Diabetic Care Center, Navi Mumbai	Member

Table 8.6.3: Events organized by Entrepreneurship Cell

S. No.	Topic	Resource Person	Date of Event
1	Entrepreneurship	Dr. Prashant Gundawar, Director, NCRD's Sterling Institute of Management Studies, Navi Mumbai	12.02.2021
2	Virtual Webinar on Subconscious mind: Science Behind Success	Mr. Samir Narad, Motivation Speaker	20.11.2020
3	Opportunities for Pharmacy Graduates in Healthcare Industry	Mr. Vibhav Garg, Govt Affairs Strategy, Boston Scientific	12.09.2020
4	Arise, Awake, and Stop not.. till the goal is achieved	Mr. Dharmesh Nitesh Mehta Founder, Pharma Elite	12.09.2020
5	How to be an entrepreneur	Mr. Paritosh Shah, Director, Synapse Academy	22.11.2019
6	Entrepreneurship for development of retail and wholesale drug store business	Dr. Prashant Gundawar, Director, NCRD's Sterling Institute of Management Studies, Navi Mumbai	22.11.2019
7	Opportunities and New Development in Pharmaceutical Sector	Mr. Ashwin Parankey, Scientist, Regeneron Pharmaceuticals, USA	19.12.2019
8	Opportunities and New Development in Pharmaceutical Sector	Mr. Aditya Duruvi Technical Manager- QA, BioMarin Pharmaceutical Inc, USA	19.12.2019

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

Total Marks 10.00

Institute Marks : 10.00

Academic Subjects, Co-curricular and extra-curricular activities complement each other and develops the various domains of mind and personality such as intellectual, emotional, social and moral development.

Table 8.7.1: Co-Curricular Activities 2020-21

Sr. No.	Activity	Topic	Date	Highlights
1.	e-Poster Competition for Undergraduate Pharmacy Students	1. Pandemics: Disruptive Chaos or Creative Destruction 2. The Post Covid Syndrome 3. Educational Trends in Post Covid Era 4. Covid 19 Vaccine: Challenges in Development and Distribution	“National Pharmacy Week 2020”	<ul style="list-style-type: none"> · Total of 92 Participants (46 Groups) from degree institutes across the nation · Results Declared on 10th Dec 2020 and Cash Prize awarded to the Top Three Winning Posters · e-Certificates for all Participants
2.	Guest Lecture	Literature Survey & Scientific Writing	21 st Nov, 2020	<ul style="list-style-type: none"> · Speaker: MsSita VG, Research Scholar, ICT, Mumbai · Total number of participants :58 students of Final Year B. Pharm
3.	Guest Lecture	QbD& Design of Experiments	30 th Jan 2021	<ul style="list-style-type: none"> · Speaker : Mr. Deepak Singh, Head, R and D Sales, Gansons Limited is an expert in QbD and DOE · Total number of participants :69 students from Third and Final Year B. Pharm
4.	Guest Lecture	Applications of Chem Draw	13 th Feb 2021	<ul style="list-style-type: none"> · Speaker: DrPraful Gupta, Senior executive and Technical Head, Organix Scientific , Gurgaon · Total number of participants :81 students from Second & Third Year B. Pharm

5.	Guest Lecture	Career Opportunities in Pharmacovigilance	14 th Feb 2021	<ul style="list-style-type: none"> · Speaker: MrVithalNagane, Senior Executive Pharmacovigilance Department, Sun Pharma, Mumbai. · Total number of participants :58 students from Third & Final Year B. Pharm
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Table 8.7.2: Co-Curricular Activities 2019- 20

S.no	Topic	Speaker	Date	Time	Class
1	Entrepreneurship	Mr. Sager Chandani, Head , CIBA, Mentor at Start up India	19-Sep-19	11:00 am -12:00pm	Final Year
2	Drug Regulatory Affairs as a career	Mrs. KanchanBhide, Manager Cipla Ltd.	21st Dec 2019	2.30-4.30 pm	TY
3	Offbeat career choices after B.Pharm	MrShivpuje, Patlex Business Solutions Pvt Ltd, Mumbai	20th Jan 2020	11:00-12:00 PM	TY, FINAL YEAR
4	Stress Management	Mrs. VasundharaJakka, Founder, Mind Spark Consultant	20th Jan 2020	2:30-3:30	SY
5	Motivation	MrSachinTayade ,International Motivational Speaker , SAKAL	30th Jan 2020	10.30 - 12.30 PM	FY,SY,TY
6	Bioavailability and Bioequivalence Studies	Mr Deepak Singh, Head R & D (sales) ,Gansons Ltd. Thane.	15th Feb,2020	2.30-4.30 PM	TY,SY

Table 8.7.3: Co-Curricular Activities 2018-19

SR.No	Lecture Topic	Name of Speaker	Date	Target CLass	TIME

1	Application of Drug Physicochemical Characterization in Drug Discovery	Dr Anita Menon, Manager, Site Operations, Analytics Solubility and Physicochemical Properties, MERCK , Germany	25/7/18	Third and Final Year	11 TO 1
2.	Tuberculosis awareness	DrMukulThorat Physician	27/7/18	Third and Final Year	10-12
3	Interview Etiquettes and Resume Writing	DrUlhasKarkhanis, Associate Dean, Pharma, IES College , Bandra , Mumbai	21/9/18	Final Year	2:30 TO 3:30
4	Basic Principles in Unit Operations in Pharma Industry	MrMilindJadhav, General Manager ,Turbhe Chemicals Pvt Ltd , Navimumbai	21/9/18	Second Year	11 TO 12
5	Effect of food based intervention on blood glucose regulation and cardio metabolic risk factors in adolescents and young adults	DrRekhaBattarwal, Asso. Professor , SVT College of Home Science, SNTD Women's University , Juhu, Mumbai	29/10/18	First and Second Year	1:30 TO 3:30
6.	Career avenues in Pharmacy	Dr Rajesh Pandey , Pharma leader ,TCS , Mumbai	12/12/18	Final Year	11 TO 12
7.	Career avenues at CIPLA	MrChandrasahTorgal. HR Manager, CIPLA ltd Patalganga.	18/12/18	Final Year	11 TO 12
8.	Osteoporosis : A review	Dr MRs MRinal M Sanaye, Associate Professor , Pharmacology , Prin. KM Kundanani College of Pharmacy, Mumbai	8/3/19	First and Second Year	11 TO 1
9.	“Role of HPTLC in Herbal Drug Standardization”	ShriShahrughBarucha, Sr Lab Manager, Anchrom , Mulund, Mumbai	14/3/2019	Third Year	11 TO 1

Table 8.7.4: Extra- curricular/ Social Activities 2020-21

Sr. No	Date	Events
1.	05. 09. 2020	Virtual Teachers Day Celebration Google meet
2.	25. 09. 2020	World Pharmacist Day Google meet
3	30. 10. 2020	Covid-19 Awareness Campaign <i>Nerul, NaviMumbai</i>
4	1. 11. 2020 to 10. 11. 2020	Quiz competition 1. Covid-19 and mental health <i>Response received-1241</i> 2. Immunity booster <i>Response received-1251</i> 3. Blood and blood products <i>Response received-1126</i>
5	22. 11. 2020	World Health Day <i>A Virtual webinar</i>
6	28, 29, 30. 11. 2020	Lockdown Awareness Campaign <i>Google meet, Youtube live</i>
7	2. 12. 2020	Counseling and distribution <i>Nerul railway station</i>
8	23. 01. 2021	Hunt The Talent
9	24. 01. 2021	Innovation Campaign <i>Khairwadi village in Panvel; 3kms from Wakadigaon.</i>

Table 8.7.5: Extra- curricular/ Social Activities 2019- 20

Sr. No	Date	Events
1	02. 09.2019	Ganpati festival <i>Institute Campus</i>
2	25. 09.2019	Generic Vs Branded Skit <i>Jewels of Navi Mumbai</i>
3	3.10. 2019	Cleanliness Drive <i>Juhu, Mumbai</i>

4	11. 12. 2019	World AIDS Day- AIDS awareness campaign <i>Sterling School , Nerul, NaviMumbai</i>
5	18.12.2019	Menstrual Health Campaign & Good Touch – Bad Touch; Hand wash Awareness , Proper storage and Disposal of Medicines , First –Aid Awareness <i>DyandeepSevaMandal'sPrimary and Secondary School, Seawoods</i>
6	3, 4. 01. 2020	Annual Sports day
7	05.01. 2020	Sterling Half Marathon <i>Belapur, Navi Mumbai</i>
8	8, 9. 01. 2020	Rural outreach Topics – First aid awareness , Menstrual Hygiene , Awareness about diseases like TB & Cancer , Snakebite Awareness <i>Aahupe and KhadakiAmbegaon, Pune.</i>
9	20. 01. 2020	Blood Donation Campaign <i>Vashi and Nerul station</i>
10	04. 02. 2020	Annual Day

Table 8.7.6: Extra- curricular/ Social Activities 2018- 19

Sr no.	Date	Events
1	13. 09.2018	Ganpati festival
2	27. 09.2018	World Pharmacist Day
3	15. 10.2018	Mental Health Awareness Campaign <i>S H Divyang school, NCRD's SIP</i>
4	20.10.2018	Infection awareness Campaign <i>CBD, Seawoods, Nerul, Vashi stations</i>
5	18. 11.2018	Generic vs Branded skit
6	01. 12.2018	World Aids Day
7	14, 15.12. 2018	Rural health awareness <i>Khadke-Pimpalgaon</i>
8	16. 12.2018	First Aid Awareness
9	17. 12.2018	Rainwater harvesting Seminar
10	28. 12.2018	Menstrual Hygiene Campaign <i>DyandeepSevaMandal's Primary and Secondary School</i>

11	07. 01. 2019	Blood Donation Campaign <i>NCRD & SIP</i>
12	5-19.01.2019	Diabetic event <i>NCRD & SIP</i>
13	12. 01. 2019	Cancer Campaign <i>ACTREC, Kharghar</i>
14	10, 11. 01. 2019	Sports Day
15	21. 01. 2019	Annual Day

9 GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES (100)

Total Marks 99.00

9.1 Organization, Governance and Transparency (50)

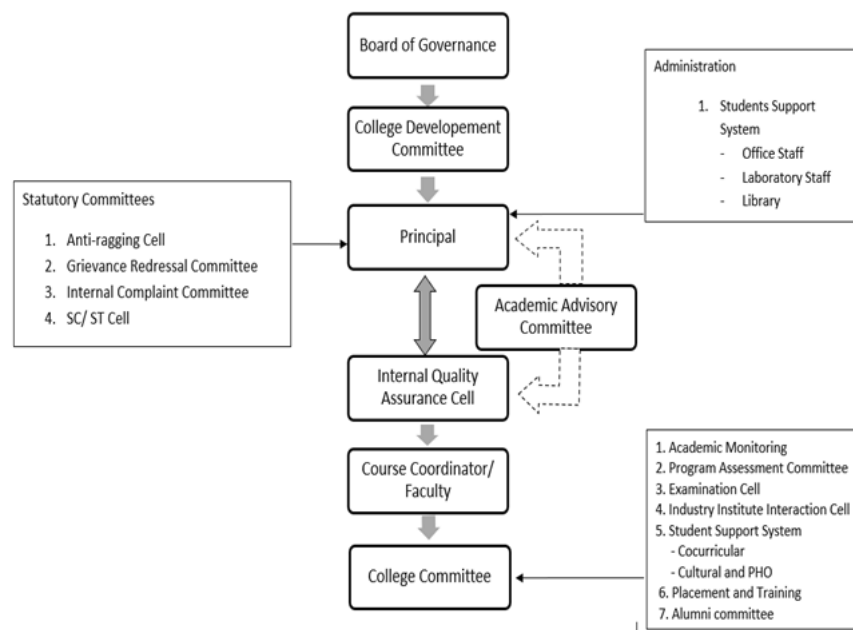
Total Marks 50.00

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

Institute Marks : 10.00

- Sterling Institute of Pharmacy is governed by a **Charitable Trust** “National Center for Rural Development” (NCRD) founded by Hon. Shri. Dilip Walse Patil in the year 1991.
- Major decisions regarding the functioning of the college are taken by the **Board of Governors** constituted as per the norms of **AICTE**, and **College Development Committee (CDC)** constituted as per section 97(1) of the Maharashtra Universities act 2016.
- **The Academic Advisory committee** advises time to time on functioning of the institute properly and smoothly in all academic matters for efficient running of the institute.
- The decision regarding all kind of purchase activities is handled by **Purchase committee**.
- **Anti-Ragging Committee** as per AICTE notified regulation for prevention and prohibition for ragging in AICTE approved Technical Institutions vide No 37-3/ Legal/AICTE/2009, the committee is formed in the institution
- **Anti-Ragging Squad** has been also established as per the regulation of AICTE.
- **Student Grievance Redressal Committee** is established and intended to undertake the processes of attending to the grievances put forward by the students.
- To prevent sexual harassment of employees and students **Internal Complaint Committee (ICC)** has been formed in the institute (Prevention, Prohibition and Redressal) Act, 2013.
- There are various **statutory** and **non-statutory committees** formed for the conduct of academic and administrative process.
- Each committee maintains agenda, minutes of meeting and action taken report.
- The organizational Chart of the Institute is given below:

ORGANIZATIONAL CHART



The following committees are functioning in the college to look after the administrative and academic procedures.

Table 9.1 List and details of Committees.

Sr No	Committees	Term of the committee	Number of Members	Frequency of Meetings	Participation of external members	Attendance*
						2020 Meetings
1	Board of Governors	5	15	Once in a year	6	54.54 %
2	College Development Committee	5	14	Twice in a year	2	50 %
3	Academic Advisory Committee	3	11	Once in a year	3	70%
4	Program Assessment Committee	3	16	Once in a year	-	83%

5	Purchase Committee	3	8	As and when required	-	88.8%
6	Anti-Ragging Cell and Squad	1	15	Once in a year	4	73 %
7	Grievance Redressal Committee	3	5	Twice in a year	-	100%
8	Internal Complaint Committee	3	9	As and when required	1	100%
9	SC/ST Committee	2	6	Twice in a year	-	100%
10	Internal Quality Assurance Cell	2	15	Twice in a year	2	92.8 %

The said committees have been functioning in the college in order to facilitate the smooth functioning of the day-to-day activities of the institute.

Table 9.2: Internal Institute Committees

1. Admission committee
2. Academic Monitoring committee
3. Time Table committee
4. Examination committee
5. Co-curricular committee
6. Value addition programme (Student Projects, Language Lab)
7. Extra-curricular and Social Activities committee
8. Industry Institute Interaction Cell (Industrial visits committee, Faculty training, Hospital visits, collaboration)
9. Website Updation committee
10. Minutes of meeting
11. Alumini interaction and records.
12. Placement committee
13. Library
14. Communication with regulatory authorities AICTE, PCI, DTE/University/Documentation.
15. Online Teaching and Learning committee

Board of Governors

Composition:

With reference to appendix 18.0 of Approval Process Handbook of AICTE, 2018-2019, Pg no.142, The Governing Body is constituted as under. The term of the committee will be 5 years (2018-2023).



In Perpetual Search for Excellence

NCRD's

Sterling

INSTITUTE OF PHARMACY

Approved by AICTE, P.C.I. New Delhi, Govt. of Maharashtra & Affiliated to the University of Mumbai.

Plot No.93/93A, Sector 19, Nerul (East), Navi Mumbai - 400 706.
Telefax +91-22-27715308, Email- ncrdisipoffice@gmail.com

Date: 04th March 2020

BOARD OF GOVERNORS

With reference to the composition of Board of Governors formed on 01st August 2018, Dr. M.S Gadge was nominated as the member secretary of BOG. Subsequently Dr. M.S Gadge retired from service on 7th January 2020. Dr. Rupesh Pingale has joined as the Incharge Principal NCRDSIP on 14th January 2020. So now, Dr. Rupesh Pingale will be the member secretary of BOG w.e.f. 04th March 2020. The amended Board of Governors are as follows:

S. No.	Name	Designation	Position
1	Shri Balasaheb Bende	Member Executive Committee, NCRD	Chairman
2	Shri Avinash Shinde	Treasurer, NCRD	Member
3	Dr. Ashok Bhaurao Patil	Member Executive Committee, NCRD	Member
4	Nominee of AICTE	Regional Officer, Western Region, Mumbai	Member
5	Nominee, Government of Maharashtra	Director of Technical Education, Govt. of Maharashtra	Member
6	Nominee of University of Mumbai	Vice Chancellor, University of Mumbai or his nominee	Member
7	Dr. Rahul Dixit	General Manager, Rubicon Research Pvt. Ltd., Mumbai	Industrialist



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INSTITUTE OF PHARMACY

Approved by AICTE, P.O. New Delhi, Govt. of Maharashtra & Affiliated to the University of Mumbai
Plot No 93/93A, Sector 19, Nerul (East), Navi Mumbai - 400 708.
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8	Dr. Pradeep Vavia	Dean of Academic Program, Institute of Technology, Mumbai	Member
9	Dr. Suvarna Phadtare	Associate Professor, NCRD's Sterling institute of Pharmacy	Representative of Faculty
10	Mrs. Gouri Palsokar	Assistant Professor, NCRD's Sterling institute of Pharmacy	Representative of Faculty
11	Dr. Rupesh Pingale	Principal NCRD's Sterling institute of Pharmacy	Member Secretary

Dr. Rupesh Pingale
(Principal)

Functions and Responsibilities of BOG:

1. Setting the vision, mission of the institute
2. Establishing and maintaining the core values of the institute
3. Setting the plans and policies of the institute
4. Monitoring and evaluating the performance of the institute.
5. Selection and recruitment of teaching and non-teaching staff as per AICTE regulations.
6. Ensure availability of resources for development of infrastructure and other facilities of the institute.

College Development Committee

With reference to- 97 (1) of the Maharashtra State University Act, 2016, a College Development Committee is being constituted as under. The term of the committee shall be 5 years (2017-2022).



In Perpetual Search for Excellence

NCRD's

Sterling

INSTITUTE OF PHARMACY

Approved by A.I.C.T.E., P.C.I. New Delhi, Govt. of Maharashtra & Affiliated to the University of Mumbai.

Plot No.93/93A, Sector 19, Nerul (East), Navi Mumbai - 400 706.

Telefax +91-22-27715308, Email- ncrdsipoffice@gmail.com

Date: 02nd March 2020

COLLEGE DEVELOPMENT COMMITTEE

With reference to the composition of College Development Committee formed on 01st August 2017, Dr. M.S Gadge was nominated as the member secretary of CDC. Subsequently Dr. M.S Gadge retired from service on 7th January 2020. Dr. Rupesh Pingale has joined as the Incharge Principal NCRDSIP on 14th January 2020. So now, Dr. Rupesh Pingale will be the member secretary of CDC w.e.f.02nd March 2020. The amended College Development Committee is as follows:

Sr No	Name	Designation	Position
1	Shri Avinash Shinde	Treasurer, NCRD	Chairperson
2	Dr. Ashok Patil	Member, NCRD	Nominee of the Secretary
3	Mrs. Brinda Sreelesh	Associate Professor	Coordinator IQAC
4	Dr. Suvarna Phadtare	Associate Professor	Teacher Representative
5	Dr. Gouri Palsokar	Assistant Professor	Teacher Representative
6	Mrs. Sonali Askarkar	Assistant Professor	Teacher Representative
7	Mr. Deepak Walse Patil	Office Superintendent	Non-Teaching Representative
8	Dr. N. B. Pasalkar	Ex Director DTE	Member (Education)
9	Dr. Pradip Vavia	Dean-Academics Institute of Chemical Technology	Member (Research)
10	Mrs. Nirmala Parmar	Community Pharmacist	Member (Alumnus and Industry)
11	Mr. Sunil Chhajed	Secretary NMCD Blood Bank, Navi Mumbai	Member (Social service)
12	Ms. Purvaja Choudhary	President College Student Council	Student Representative
13	Mr. Animesh Singh	Secretary College Student Council	Student Representative
14	Dr. Rupesh Pingale	Principal	Member Secretary


Dr. Rupesh Pingale
(Principal)

Functions and Responsibilities of College Development Committee

Functions of CDC as per Maharashtra Public Universities Act No. VI of 2017, clause 97 are listed below:

- Prepare an overall comprehensive development plan of the college regarding academic, administrative and infrastructural growth, and enable College to foster excellence in curricular, co-curricular and extra-curricular activities.
- Decide about the overall teaching programmes or annual calendar of the college.
- Recommend to the management about introducing new academic courses and the creation of additional teaching and administrative posts.
- Take review of the self-financing courses in the college, if any, and make recommendations for their improvement.
- Make specific recommendations to the management to encourage and strengthen research culture, consultancy and extension activities in the college.

- (f)* Make specific recommendations to the management to foster academic collaborations to strengthen teaching and research.
- (g)* Make specific recommendations to the management to encourage the use of information and communication technology in teaching and learning process.
- (h)* Make specific recommendations regarding the improvement in teaching and suitable training programmes for the employees of the college.
- (i)* Prepare the annual financial estimates (budget) and financial statements of the college or institution and recommend the same to the management for approval.
- (j)* Formulate proposals of new expenditure not provided for in the annual financial estimates (budget).
- (k)* Make recommendations regarding the students and employees welfare activities in the college or institution.
- (l)* Discuss the reports of the Internal Quality Assurance Committee and make suitable recommendations.
- (m)* Frame suitable admissions procedure for different programmes by following the statutory norms.
- (n)* Plan major annual events in the college, such as annual day, sports events, cultural events, etc.
- (o)* Recommend the administration about appropriate steps to be taken regarding the discipline, safety and security issues of the college or institution.
- (p)* Consider and make appropriate recommendations on inspection reports, local inquiry reports, audit report, report of National Assessment and Accreditation Council, etc.
- (q)* Recommend the distribution of different prizes, medals and awards to the students.
- (r)* Prepare the annual report on the work done by committee for the year ending on the 30th June and submit the same to the management of such college and the university.
- (s)* Perform such other duties and exercise such other powers as may be entrusted by the management and the university.

Academic Advisory Committee

Enclosure 9.3



In Perpetual Search for Excellence

NCRD's

Sterling

INSTITUTE OF PHARMACY

Approved by AICTE, PCI New Delhi, Govt. of Maharashtra & Affiliated to the University of Mumbai

Plot No.93/93A, Sector 19, Nerul (East), Navi Mumbai - 400 706.
Telefax +91-22-27715308, Email- ncrdsipoffice@gmail.com

Date: 04th March 2020

ACADEMIC ADVISORY COMMITTEE

With reference to the composition of Academic Advisory Committee formed on 1st August 2018, Dr. M.S Gadge was nominated as the Chairperson of AAC. Subsequently Dr. M.S Gadge retired from service on 7th January 2020. Dr. Rupesh Pingale has joined as the Incharge Principal NCRDSIP on 14th January 2020. So now, Dr. Rupesh Pingale will be the Chairperson of AAC w.e.f. 04th March 2020. The amended Academic Advisory Committee is as follows:

Sr. No.	Name	Designation	Position
1	Dr. Rupesh Pingale	Principal	Chairperson
2	Dr. Archana Gorle	Assistant Professor	Member
3	Mrs. Sonali Askarkar	Assistant Professor	Member
4	Mr. Deepak Pokharkar	Assistant Professor	Member
5	Ms. Jyothi Menon	Assistant Professor	Member
6	Mr. Shrikant Boharupi	Assistant Professor	Member
7	Mr. B.E Khomne	Retired Joint Comm. FDA, Maharashtra	Industry Representative
8	Dr. Nitin Dharmadhikari	Vice President, Sun Pharmaceutical Industries Ltd, Mumbai	Industry Representative
9	Mr. Pratik Bhatt	Product Manager, Bharat Serums and Vaccines Limited, Mumbai	Alumini Representative
10	Dr. N. B. Pasalkar	Ex Director DTE	Nominee of the Secretary, NCRD
11	Mr. Avinash Shinde	Treasurer, NCRD	Nominee of the Secretary, NCRD


Dr. Rupesh Pingale
(Principal)

Functions and Responsibilities of Academic Advisory Committee (AAC)

1. To establish PEO's
2. To advice improvement in academic plan and recommend standard practices.
3. On receipt of the report of the Internal Quality Assurance Committee (IQAC), the AAC monitors the progress of the programme.
4. To give guidelines related to value added training courses.
5. Encourage industry- institute interactions to bridge up curriculum industry gap.

Internal Quality Assurance Cell

Enclosure 9.4

02.07.2020

Internal Quality Assurance Cell (AY 2020-21)

With reference to Appendix 6 of AICTE Approval Process Handbook 2020-21 (page 163), Internal Quality Assurance Cell is being constituted as under. The term of committee will be two years (2020- 2022).

SR NO.	NAME OF THE MEMBER	DESIGNATION	POSITION
1	Dr. Rupesh Pingale	Principal	Chairperson
2	Shree Amarjeet Kharade	Chief Administrative Officer, NCRD	Management Representative
3	Mr. Deepak Walse Patil	Office Superintendent	Senior administrative officer
4	Mrs. Jyothi Menon	Asst. Professor	Teacher Representative
5	Dr. Gouri Palsokar	Asst. Professor	Teacher Representative
6	Ms. Varsha Vaze	Asst. Professor	Teacher Representative
7	Dr. Sonali Askarkar	Asst. Professor	Teacher Representative
8	Mrs. Mamta Venna	Asst. Professor	Teacher Representative
9	Mrs. Nirmala Parihar	Alumni	Alumni
10	Mrs. Suvarna Walse	Rector of D Y Patil Hostel	Local society nominee
11	Ms. Tanvi Arban	Student nominee	Student nominee
12	Dr. Rahul Dixit	General Manager, Rubicon Research Pvt. Ltd.	Industrialist
13	Dr. Sachin Narkhede	Synsmart Rasayan Research Pvt Ltd, Navi Mumbai	Industrialist
14	Mrs. Brinda Sreelesh	Associate Professor	Coordinator of the IQAC



Dr. Rupesh Pingale
(Principal)

Functions and responsibilities of the IQAC are:

- Development and application of quality benchmarks/parameters for various academic and administrative activities of the institution;
- Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process;
- Arrangement for feedback response from students, parents and other stakeholders on quality-related institutional processes;
- Dissemination of information on various quality parameters of higher education;
- Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles;
- Documentation of the various programmes/activities leading to quality improvement;
- Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices;
- Development and maintenance of institutional database through MIS for the purpose of maintaining /enhancing the institutional quality;
- Development of Quality Culture in the institution;
- Preparation of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC.

Grievance Redressal Committee



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Telefax +91-22-27715308, E-mail- ncrdispoffice@gmail.com


04.07.2020

GRIEVANCE REDRESSAL COMMITTEE AY 2020-21

To ensure transparency in admission and preventing unfair practices Grievance Redressal Committee has been constituted in the institute as per (As per All India Council for Technical Education (Establishment of Mechanism for Grievance Redressal) Regulations, 2012, F. No. 37- 3/ Legal I 2012, dated 25.05.2012) Committee and OMBUDSMAN for all the AICTE approved Technical Institutions vide No. 37-3/ Legal/ 2012 dated 25.05.2012. The term of committee is three years (2020-23).

In case of any such incidences any of the following members can be contacted.

Sr. No	Name of the member	Post	Phone number with Extension number	Contact number
1	Dr. Rupesh Pingale	Chairperson	022-27722290 (208)	9892094949
2.	Dr. Gitika Dhingra	Faculty Representative	022-27722290 (249)	9819989868
3.	Dr. Archana Gorle	Faculty Representative	022-27722290 (249)	7977299117
4.	Mrs. Vijaya Rode	Faculty Representative	022-27722290 (249)	9967828854
5.	Mrs. Rajshree Autade	Faculty Representative	022-27722290 (249)	9324808625
6.	Mr. Animesh Singh	Student Representative	-	7710859775


Dr. Rupesh Pingale
Principal

Functions and responsibilities of the Grievance Redressal Committee

- To look into the complaints lodged by any student, staff, parent and judge its merit.
- It will assure that the grievance has been properly solved in a stipulated time limit provided by the cell
- To ensure that there is no reprisal of any kind against any applicant, witness, or any other participant in the grievance redressal process by reason of such participation in the grievance process.
- To ensure speedy disposal of every grievance application - within a maximum period of one month of the receipt of application.

Anti-ragging Committee

A committee has been appointed in the institute to take action against ragging: As per AICTE notification Regulation No. 37-3/Legal/AICTE/2009 dated 01.07.2009



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Plot No.93/93A, Sector 19, Nerul (East), Navi Mumbai - 400 706.
Telefax +91-22-27715308. Email- ncrdisipoffice@gmail.com


Date: 22nd Feb 2021

COMPOSITION OF ANTIRAGGING COMMITTEE

A committee has been appointed in the institute to take action against ragging: As per AICTE notification Regulation No. 37-3/Legal/AICTE/2009 dated 01.07.2009. The term of the committee shall be 1 year (2020-21).

Sr. No	Name of the member	Designation	Position	Landline number with Extension No. (022-27722290)	Mobile Number
1.	Dr. Rupesh Pingale	Principal	Chairman	209	9892094949
2.	Dr. Suvarna Phadtare	Associate Professor	Member	249	7045193207
3.	Dr. Gouri Palsokar	Assistant Professor	Member	249	7977750134
4.	Dr. Sonali Askarkar	Assistant Professor	Member	249	9967116009
5.	Mr. Pritish Kurumkar	Assistant Professor	Member	249	8652221415
6.	Mr. Anand Sawant	Police Administrator	Member	-	8879221399
7.	Mr. Ashish Chawdhary	Local Media	Member	-	9769927557
8.	Mr. Numan Mujawar	F.Y B. Pharm Student	Member	-	7208649795
9.	Ms. Aaliya Naik	F.Y B. Pharm Student	Member	-	7021460679
10.	Mr. Animesh Singh	Third Year B. Pharm Student	Member	-	7710859775
11.	Mr. Anup Singh	Parent Representative	Member	-	9029859811
12.	Mr. Col Ajay Sharma	Parent Representative	Member	-	8454943123
13.	Mr. Shakir Munshi	System Analyst	Member	238	7208080005
14.	Mr. Nilesh Jathar	Lab Technician	Member	-	9920377359

15.	Ms. Purvaja Chaudhary	Student council GS	Member	-	7208156783
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Dr. Rupesh Pingale

(Principal)

Functions and responsibilities of Anti Ragging Committee.

- To publicize to all students, prevalent directives and the actions that can be taken against those indulging in ragging.
- To consider the complaints received from the students and conduct enquiry and submit report to the Head of Institution along with punishment recommended for the offenders.
- Conduct awareness programme for ragging menace and orient the students.
- To take all necessary measures for prevention of Ragging inside the Campus.

Anti-ragging Squad

Enclosure 9.7



In Perpetual Search for Excellence

NCRD's

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Plot No 93/93A, Sector 19, Nerul (East), Navi Mumbai - 400 706.
Telefax +91-22-27715308, Email- ncrdspoffice@gmail.com

Date: 22nd Feb 2021

COMPOSITION OF ANTIRAGGING SQUAD

A committee has been appointed in the institute to take action against ragging: As per AICTE notification Regulation No. 37-3/Legal/AICTE/2009 dated 01.07.2009. The term of the committee shall be 1 year (2020-21).

Sr. No	Name of the member	Designation	Position	Landline number with Extension No. (022-27722290)	Mobile Number
1	Dr. Rupesh Pingale	Principal	Chairman	209	9892094949
2	Dr. Suvarna Phadtare	Associate Professor	Member	249	7045193207
3	Dr. Sonali Askarkar	Assistant Professor	Member	249	9967116009
4	Mr. Pritish Kurumkar	Assistant Professor	Member	249	8652221415
5	Mr. Hanumant Nanavare	Lab Technician	Member	-	9004457893
6	Mrs. Sangeeta Phadale	Lab Attendant	Member	-	9821503060

Dr. Rupesh Pingale
Principal

Functions of Anti-ragging Squad:

- To make surprise visit/raids to classrooms, canteen, hostel, ground and other places vulnerable to incidences and potential for ragging.
- To conduct on the spot enquiry for any incidence of ragging.
- To submit the report along with recommendation to the Anti ragging committee for action.

Internal Complaint Committee (ICC)

Enclosure 9.8



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Plot No. 93/93A, Sector 19, Nerul (East), Navi Mumbai - 400 706,
Telefax +91-22-27715308, Email- ncrdsipoffice@gmail.com

15/06/2020

INTERNAL COMPLAINTS COMMITTEE (ICC)

To prevent sexual harassment of employees and students ICC has been formed in the institute as per requirement of 'The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013. In case of any such incidences any of the following committee members can be contacted.

Sr. No	Name of the member	Position	Designation	Extension number	Contact
1	Mrs. Brinda Sreelesh	Presiding Officer	Associate Professor	022-27722290-(Extension) 249	9833174410
2	Ms. Varsha Vaze	Faculty representative	Assistant Professor	022-27722290-(Extension) 249	9833516707
3	Mr. Deepak Pokharkar	Faculty representative	Assistant Professor	022-27722290-(Extension) 249	7738019585
4	Mrs. Rajashree Autade	Non-teaching staff representative	Librarian	022-27722290-(Extension) 238	9320659895
5	Mr. Deepak Walse Patil	Non-teaching staff representative	Office Superintendent	022-27722290-(Extension) 206	9833045425
6	Ms. Parab Ramika	Student Representative	Student Representative	-	9892293766
7	Ms. Riya Panigrahi	Student Representative	Student Representative	-	8655014787
8	Mr. Animesh Singh	Student Representative	Student Representative	-	7710859775


Dr. Rupesh Ringale
Principal

Functions and responsibilities of Internal Complaint Committee:

- To takes efforts to maintain gender parity, sexual harassment-free and positive environment at the workplace.
- To conduct awareness drive through display of women welfare & anti-sexual harassment policies and other appropriate documents, workshops, posters, speeches by experts etc. to have an encouraging and dignified surrounding to work in for women personnel.

SC-ST Committee

Enclosure 9.9

Date: 18th June 2020

COMPOSITION OF SC/ST COMMITTEE

The SC/ST cell will monitor and endeavor to resolve issues/grievances relating to SC/ST students at the institute level. They will work for welfare of the SC/ST students. The term of the committee shall be 2 years (2018-2020). As per the guidelines of UGC letter No F1-5/2006 (STC) dated: 25-8-2006 and SC/ST Cell Booklet given by AICTE (https://www.aicte-india.org/downloads/SC_ST_Booklet.pdf) composition of SC/ST Committee is as follows:

Sr. No.	Name	Designation	Position	Landline Number with Extension No. (022-2772290).	Mobile No.
1	Dr. Rupesh Pingale	Principal	Chairperson	208	9892094949
2	Dr. Archana Gorle	Assistant Professor	Co-ordinator	249	7977299117
3	Mrs. Lawanyalata Pandey	Assistant Professor	Member	249	8693873355
4	Mr. Pritish Kurumkar	Assistant Professor	Member	237	9423420285
6	Mrs. Suvarna Patade	Clerk	Member	209	9561998748
7	Mr. Deepak Walse Patil	Office Superintendent	Member	206	9833045425



Dr. Rupesh Pingale
(Principal)

Functions of SC/ ST Cell:

The cell will take care of SC/ST students with respect to:

1. Scholarships-their distribution to the beneficiaries on time.
2. Solve any problems occurred during their educational career.
3. Making arrangements for sending statistical information required by University/Government authorities.
4. Issues relating to discrimination experienced by the students in the college.

Purchase Committee

Enclosure 9.10

NCRD/SIP/ 2020/287

16 June 2020

PURCHASE COMMITTEE

With reference to the purchase committee established in year 2018-2019, dated 7 May 2018,
Dr. M. S. Gadge is being replaced by Dr. Rupesh Pingale and committee is as follows.

Sr. No.	Name	Designation	Position
1	Dr. Rupesh Pingale	Principal	Chairperson
2	Mr. Arun Kotkar	Stores Incharge	Member
3	Dr. Mrs. Suvarna Phadatare	Associate Professor	Member
4	Mrs. Gouri Palsokar	Assistant professor	Member
5	Mr. Pritish Kurumkar	Assistant professor	Member
6	Mrs. Rajashri Autade	Librarian	Member
7	Mr. Nilesh Jathar	Lab Technician	Member
8	Mr. Hanumant Nanaware	Lab Technician	Member
9	Mrs. Seema Jadhav	Accountant	Member



PRINCIPAL

NCRD's Sterling Institute of Pharmacy
Plot No. 93/93 A, Sector-19,
Near Seawood Railway Station,
Nerul (East), Navi Mumbai - 400 706.

Functions of Purchase Committee:

1. To call requirements from different user departments/persons related to chemical, equipments, glasswares, stationery etc. with approval of HOD.
2. To request technical input from relevant staff as required and maintain record of requisition forms.
3. To get approval of requisition forms from Head of Institute and Administrative Head of organization.
4. To carry out defined procedure for 'Request for Quotations' wherein 3-5 or more written quotations/E-quotations are collected from relevant suppliers.
5. To arrange for a meeting with head of administration, Head of institute and Purchase committee members (at least 2) for opening quotations on due date only and to evaluate different quotations.
6. To prepare comparative statement indicating price, quality, stock availability, references etc. by proper checking and give recommendations considering price and quality of supplies.

7. Preparation of purchase order in name of manufacturer/ supplier/ dealer (Recommended supplier) and payment as per policy (in advance/after receipt of supplies) after thorough checks of user department and approval of payment by head of institute/administration by Accountant.
8. To maintain GRNs (General Register Number) or bills duly signed by Store keeper with proper Remark (eg. Material received as per specifications and/in good working condition/warranty card or manual pending etc.) and monitor installation/commissioning (for instruments/ machines etc.)
9. To maintain dead stock register and consumable register to monitor transfer of goods/ instruments from Stores to User department.

Program Assessment Committee

Enclosure 9.11



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Plot No 93/93A, Sector 19, Nerul (East), Navi Mumbai - 400 706.
Telefax +91-22-27715308, Email- ncrdisoffice@gmail.com

Date 2nd July 2020

PROGRAM ASSESSMENT COMMITTEE

With reference to the composition of Program Assessment Committee formed on 5th July 2018. Dr. M.S Gadge was nominated as the chairperson of PAC. Subsequently Dr. M.S Gadge retired from service on 7th January 2020. Dr. Rupesh Pingale has joined as the in charge Principal NCRDSIP on 14th January 2020. So now, Dr. Rupesh Pingale will be the chairperson of PAC w.e.f. 2nd July 2020. The amended Program Assessment Committee is as follows:

Sr No.	NAME OF THE MEMBER	DESIGNATION	POSITION
1	Dr. Rupesh Pingale	Principal	Chairperson
2	Mrs. Jyothi M.P	Assistant Professor	PAC coordinator
3	Dr Gitika Dhingra	Associate Professor	Teacher Representative
4	Dr Suvarna Phadtare	Associate Professor	Teacher Representative
5	Dr Archana Gorle	Assistant Professor	Teacher Representative
6	Mrs. Sonali Askarkar	Assistant Professor	Teacher Representative
7	Ms Varsha Vaze	Assistant Professor	Teacher Representative
8	Mr Pritish Kurumkar	Assistant Professor	Teacher Representative
9	Mrs Vijaya More Rode	Assistant Professor	Teacher Representative
10	Mr Deepak Pokharkar	Assistant Professor	Teacher Representative
11	Mrs Lawanya Lata Pandey	Assistant Professor	Teacher Representative
12	Mr Deepak Walse	Office Superintendent	Non-Teaching Representative


Dr Rupesh Pingale
 Principal

Functions of Program Assessment Committee:

1. Monitoring the achievements of Program Outcomes (POs), Program Educational Objectives (PEOs).
2. Motivating students towards summer training, training workshops, research and social activities
3. Evaluating effectiveness of curriculum and proposing necessary changes.
4. Suggesting Assessment Tools used to calculate attainment
5. Monitoring adherence to planned activities and academic planner

A few sample minute and action taken report of above-mentioned committees are given below:

Enclosure 9.12: Sample Minutes of Meeting and Action Taken Report**NCRD'S STERLING INSTITUTE OF PHARMACY****Plot No 93, Sector 19, Nerul East, Navi Mumbai 400706**

Ref.20-21/ SIP /CDC/Agenda/02

Date: 8/03/2021

The College Development Committee members are hereby requested to attend the CDC meeting to be held on 19/03/2021 in Principal's cabin, at NCRD's Sterling Institute of Pharmacy, Plot No. 93/93A, Sector 19, Nerul, Navi Mumbai to discuss on the following agenda points.

Agenda of the meeting

1. To read and confirm minutes of previous meeting.
2. Review of academic calendar for AY 2020-2021.
3. Ratification of results for Semester II, IV, VI, VIII for AY 2019-2020, and Semester VII for AY 2020-2021
4. Review of clock hour basis faculty appointed.
4. Review of E-Gathering conducted on 6th February 2021.
5. Review of online teaching, co-curricular, extra-curricular and social activities.
6. Publication of E-Magazine 'Reflection-2020'
7. Discussion about renovation and maintenance work of laboratories.










Dr. Rupesh Pingale
(Principal)

Attendance for the meeting of College Development Committee

Date: 19/03/2021

Attendance of College Development Committee Meeting

Sr No	Name	Designation	Position	Signature
1	Shri Avinash Shinde	Treasurer, NCRD	Chairperson	
2	Dr Ashok Patil	Member, NCRD	Nominee of the Secretary	
3	Dr Gitika Dhingra	Associate Professor	Coordinator IQAC	
4	Dr Suvarna Phadtare	Associate Professor	Teacher Representative	
5	Dr Gouri Palsokar	Assistant Professor	Teacher Representative	
6	Mrs. Sonali Askarkar	Assistant Professor	Teacher Representative	
7	Mr Deepak Walse Patil	Office Superintendent	Non Teaching Representative	
8	Dr N. B. Pasalkar	Ex Director DTE	Member (Education)	
9	Dr Pradip Vavia	Dean-Academics Institute of Chemical Technology	Member (Research)	
10	Mrs Nirmala Parmar	Community Pharmacist	Member (Alumnus and Industry)	
11	Mr Sunil Chhajed	Secretary NMCDA Blood Bank, Navi Mumbai	Member (Social service)	
12	Ms Purvaja Choudhary	President College Student Council	Member	
13	Mr Animesh Singh	Secretary College Student Council	Member	
14	Dr Rupesh Pingale	Principal	Member Secretary	


Dr Rupesh Pingale
Principal

Minutes of Meeting of College Development Committee held on 19th March 2021

Minutes of Meeting of College Development Committee held on 19th March 2021.


The meeting of College Development Committee took place on 19th March 2021 at NCRD's Sterling Institute of Pharmacy, Plot No. 93/93A, Sector 19, Nerul, Navi Mumbai at 12.30 pm. Meeting was presided over by Hon Shri Avinash Shinde.

The following resolutions were passed in the meeting

Item 1	Confirming minutes of the previous CDC meeting.
	The proceedings of the last meeting were read by the Principal Dr. Rupesh Pingale, which was unanimously confirmed. It was resolved to accept the proceedings.
Item 2	Review of academic calendar for AY 2020-2021.
	Principal Dr Rupesh Pingale, put forth the academic calendar and informed the members about conduction of Sem 4 sessions first followed by Sem 3 Sessions for lateral entry students due to late admission procedure in view of pandemic. He further informed the forum about the tentative plan for academic activities for all the four years.
Item 3	Ratification of results for Semester II, IV, VI, VIII for AY 2019-2020, and Semester VII for AY 2020-2021
	Results of the semester examination were studied and reviewed. Dr Rupesh Pingale informed the panel use of Auto Proctor for conducting final semester exam which was effective in maintaining quality of examination.
Item 4	Review of clock hour basis faculty appointed.
	Faculty appointed on clock hour basis for conducting lectures for allied and non allied subjects were reviewed and Shri Avinash Shinde permitted continuation of the faculty.
Item 5	Review of E-Gathering conducted on 06/02/2021.
	Principal Dr Rupesh Pingale discussed the activities conducted in E-Gathering. Dr Ashok Patil, who was guest of honour for the event appreciated the efforts for including the event even in such challenging times.
Item 6	Review of online teaching, co-curricular, extra-curricular and social activities.
	Principal Dr Rupesh Pingale gave the monthly report of online lectures conducted, and reviewed the co-curricular, extra-curricular and social activities conducted till date. Shri Avinash Shinde enquired about the difficulties faced by students. Dr Gitika D, and Mrs Lawanya Pandey informed the panel, steps taken for better understanding of the concepts in online mode to address the issues faced by students. Principal Sir informed the chair about conduct of timely PTA meetings to discuss any issues. He further informed the panel about the successful organization and conduct of National level E-Poster competition, where 49 colleges had participated. Dr Ashok Patil suggested organising a lecture on Post-covid Psychological Counselling for students and faculty.
Item 7	Publication of E-Magazine 'Reflection-2020'
	Shri Avinash Shinde appreciated Principal for publishing E-Magazine,

	'Reflection-2020', and also further suggested to include scientific papers published by students too in future.
Item 8	Discussion about renovation and maintenance work of laboratories.
	Principal sir sought permission for maintenance of laboratories including change of taps, minor civil works also for enabling centralised vacuum connections in all the labs. Shri Avinash Shinde asked the Principal to submit a report for the requirements and gave permission to go ahead with minor works.
Item 9	Any other point with permission of chair
	Shri Avinash Shinde enquired the cut-off percentile for students admitted to F.Y.B.Pharm 2020-2021. Principal sir informed the same.

The meeting ended with vote of thanks to the chair.


Dr. Rupesh Pingale
(Principal)

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Action Taken Report of CDC OF 19th March 2021, Minutes

Action Taken Report of CDC OF 19th March 2021, Minutes

1. With reference to the item number 3 of CDC meeting held on on 19th March 2021, Auto-Proctor tool for effective Semester examination was purchased.
2. With reference to the item number 4 of CDC, 3 faculty were appointed for the Microbiology(SY B Pharm), Packaging of Pharmaceuticals (TY B Pharm) and Intellectual Property Rights (Final Y B Pharm) subjects in the First Half of the Academic Year and 7 faculty were appointed for communication skills (FY B Pharm and SY B Pharm), Computer applications in Pharmacy (FY B Pharm and SY B Pharm) and Remedial Mathematics(FY B Pharm) subjects in Second Half of Academic Year 2020-21 including extra semester conducted for SY B Pharm Lateral Entry Students.
3. With reference to the item number 6 of CDC, a session on Psychological Support for Covid 19 Pandemic Situation for students and faculty was organized in collaboration with Mahatma Gandhi National Council of Rural Education Under Ministry of Human Resource Development , Government of India.



Principal

Service Rules Procedures:

Service rules, policies and procedures for the institution are in place and are well documented. The index of same is enclosed as enclosure.

- These rules are concerned with the
 - Recruitment Procedures (Enclosure 9.13)
 - Service Rules procedures.
 - Leave rules for Teaching and Non-Teaching Staff (Enclosure 9.14)
 - Promotion policies.
- These rules are made known to all newly recruited staff members and a copy is made available with the office superintendent in the college office.
- Modifications (if any) are informed to the staff through circulars, from time to time.
- Recruitments are done in a **transparent manner** purely on the basis of merit, after notifying the vacancies in the leading newspapers.
- Recruitment of faculty for regular appointments are done as per the norms specified by **PCI, AICTE and University of Mumbai** from time to time, by a duly constituted University of Mumbai staff selection committee.
- In case of immediate requirement of teaching faculty, **Ad-hoc** appointments are done at the institute level.
- Appointments of Non-Teaching staff are done at the **Institute level**.
- The published rules, policies and procedures with regard to **faculty and staff recruitment, promotions, leaves, retirement and staff welfare** are published and are made available in the college office.

1. Service conditions, pay scales and minimum qualification for appointment of teachers and other academic staff in technical institution and measures for maintaining standards in technical Education for Degree course are laid by AICTE on following website.

<https://www.aicteindia.org/sites/default/files/AICTE%20Degree%20Pay%2C%20Qualifications%20and%20Promotions.pdf>

2. Career Advancement scheme for Degree colleges as per AICTE specifications available on following link.

<https://www.aicte-india.org/sites/default/files/AICTE-NPTEL-FDP%20for%20CAS.pdf> (<https://www.aicte-india.org/sites/default/files/AICTE-NPTEL-FDP%20for%20CAS.pdf>)

3. Leave rule conditions

4. Code of conduct (Enclosure 9.15)

Leave rule conditions and Code of conduct for the institution are made and are enclosed here.

Brochure is made available for all the students at the time of their admission into college. It comprises of academic regulations, general rules and regulations of the college with regard to discipline and awareness among anti ragging act.

Enclosure 9.13: Recruitment, Selection, Induction & Approval

Index

1. Recruitment & Selection Procedure Selection Procedure of Teachers Eligibility Criterion:

2. Selection Procedure

Mode 1(University of Mumbai selection)

Mode 2 (Ad hoc appointment)

3. Non-Teaching Staff

Enclosure 9.14: CODE OF CONDUCT FOR EMPLOYEES OF NCRD AND ITS INSTITUTIONS

Index

1. Employee's Obligations

2. Property of NCRD

3. Unauthorized Possession of Goods.

4. Suspended Employees on the Premises

5. Possession/Consumption of Intoxicating Drinks and Narcotics

6. Participation in Politics and Elections

7. Demonstrations

8. Connection with Media of Mass Communication

9. Unauthorized Communication of Information

10. Unauthorized Publication of Official Documents

11. Invention and patents

12. Misconduct

13. Punishment

14. Enquiry

15. Action on Enquiry Report

16. Penalties

17. Interpretation

Enclosure 9.15: LEAVE RULES

INDEX

- 1. Leave: General Principles
- 2. Types of Leave for Employees
 - 2.1 Casual leave
 - 2.2 Compensatory Leave
 - 2.3 Special Leave (Duty Leave)
 - 2.4 Earned Leave
 - 2.5 Medical Leave (Half Pay Leave)
 - 2.6 Maternity Leave – Paternity Leave
 - 2.7 Study Leave
 - 2.8 Sabbatical Leave
 - 2.9 Extraordinary Leave (Leave Without Pay)
- 3. Vacations
- 4. Miscellaneous
- 5 Special Casual Leave
- 6 Leave Sanctioning Authorities

9.1.2 Decentralization in working and grievance redressal mechanism (15)

Institute Marks : 15.00

A well decentralized pattern of working is followed at SIP. Though the Principal is the academic head of the institution, many of his powers are delegated to other staff members for efficient functioning. The delegation of power among various staff members is as given below:

Enclosure 9.16: Decentralization in Working

NCRD's STERLING INSTITUTE OF PHARMACY, Nerul, Navi Mumbai

INTERNAL COMMITTEES FOR ACADEMIC YEAR 2020-21

Sr. No	Committee	Members	Head of the Committee
1	Academic Monitoring	Mrs. Mamta Venna (Final.Y.) Mrs. Gouri Palsokar (T.Y.) Dr. Gitika Dhingra (S.Y.) Mrs. Brinda Sreelesh (F.Y.)	Mrs. Brinda Sreelesh
2	Examination	Dr. Suvarna Phadatare Mr. Pritish Kurumkar Mrs. Vijaya Rode Mrs. Purna Sanas	Dr. Suvarna Phadatare
3	Co-curricular Activities	Mrs. Jyothi Menon Mrs. Purna Sanas Ms. Varsha Vaze	Mrs. Jyothi Menon
4	Extra-curricular & Social Activities	Mr. Deepak Pokharkar Mrs. Archana Gorle Mrs. Lawanya Pandey	Mr. Deepak Pokharkar
5	Industry Institute Interaction Cell (Industrial visits, Faculty training, Hospital Visits, collaboration)	Mr. Pritish Kurumkar Mrs. Mamta Venna Mr. Shrikant Bohrupi	Mrs. Mamta Venna
6	Placement & Entrepreneurship, Summer Internship	Mrs. Lawanya Pandey Mr. Deepak Pokharkar Mrs. Jyothi Menon	Mrs. Lawanya Pandey
7	Admission Committee	Mrs. Mamta Venna Mr. Shrikant Bohrupi	Mr. Shrikant Bohrupi
8	Value addition programme (Bridge course, Language Lab)	Mrs. Brinda Sreelesh Dr. Gitika Dhingra Ms. Varsha Vaze	Ms. Varsha Vaze
9	Communication with regulatory authorities AICTE, PCI, NTE/ University Documentation.	Dr. Gitika Dhingra	Dr. Gitika Dhingra

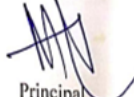
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NCRD's STERLING INSTITUTE OF PHARMACY, Nerul, Navi Mumbai

Sr. No	Committee	Members	Head of the Committee
10	Library	Mrs. Rajshree Autade Mrs. Archana Gorle Mr. Shrikant Bohrupi	Mrs. Rajshree Autade
11	Alumni Interaction & Records	Mrs. Brinda Sreelesh Mr. Deepak Pokharkar	Mrs. Brinda Sreelesh
12	Minutes of Meeting	Mrs. Mamta Veppa	Mrs. Mamta Veppa
13	Website Updation	Dr. Gitika Dhingra Mr. Deepak Pokharkar Mrs. Archana G	Dr. Gitika Dhingra
14	Final Year Project	Mrs. Gouri Palsokar Mrs. Prerna Sanas	Mrs. Gouri Palsokar

15 Online Teaching & Learning Dr. Gouri Palsokar Dr. Gouri Palsokar

All committee members of the respective committee should define the functions role responsibility of particular activity in consultation with undersigned and prepare the proper documentation.


 Principal
 (Dr. Rupesh Pingale)

Grievance Redressal Committee

To ensure transparency in admission and preventing unfair practices Grievance Redressal Committee has been constituted in the institute as per (As per All India Council for Technical Education (Establishment of Mechanism for Grievance Redressal) Regulations, 2012, F. No. 37- 3/ Lega112012, dated 25.05.2012) Committee and OMBUDSMAN for all the AICTE approved Technical Institutions vide No. 37-3/ Legal/ 2012 dated 25.05.2012

Student Grievance Redressal Committee is intended to undertake the processes of attending to the grievances put forward by the students. It focuses on setting proper facilitation procedures for settling the issues in a cordial atmosphere. The committee is expected to initiate proper or appropriate enquiry or investigative mechanism within 24 hours from the receipt of the complaint in written form duly signed by complainant(s).

In case of any such incidences any of the following members can be contacted.

Enclosure 9.17: Grievance redressal Committee

04.07.2020

GRIEVANCE REDRESSAL COMMITTEE AY 2020-21

To ensure transparency in admission and preventing unfair practices Grievance Redressal Committee has been constituted in the institute as per (As per All India Council for Technical Education (Establishment of Mechanism for Grievance Redressal) Regulations, 2012, F. No. 37- 3/ Legal/12012, dated 25.05.2012) Committee and OMBUDSMAN for all the AICTE approved Technical Institutions vide No. 37-3/ Legal/ 2012 dated 25.05.2012. The term of committee is three years (2020-23).
In case of any such incidences any of the following members can be contacted.

Sr. No	Name of the member	Post	Phone number with Extension number	Contact number
1	Dr. Rupesh Pingale	Chairperson	022-27722290 (208)	9892094949
2.	Dr. Gitika Dhingra	Faculty Representative	022-27722290 (249)	9819989868
3.	Dr. Archana Gorle	Faculty Representative	022-27722290 (249)	7977299117
4.	Mrs. Vijaya Rode	Faculty Representative	022-27722290 (249)	9967828854
5.	Mrs. Rajshree Autade	Faculty Representative	022-27722290 (249)	9324808625
6.	Mr. Animesh Singh	Student Representative	-	7710859775


Dr. Rupesh Pingale
Principal

Functions and responsibilities of the Grievance Redressal Committee

- To look into the complaints lodged by any student, staff, parent and judge its merit.
- It will assure that the grievance has been properly solved in a stipulated time limit provided by the cell
- To ensure that there is no reprisal of any kind against any applicant, witness, or any other participant in the grievance redressal process by reason of such participation in the grievance process.
- To ensure speedy disposal of every grievance application - within a maximum period of one month of the receipt of application.

GRIEVANCE REDRESSAL MECHANISM

The grievance redressal cell for the faculty staff and the students has been constituted to tackle their personal and professional problems. This committee comprises of the principal, members of the teaching staff, one member of non-teaching staff and one student representative. Class representative (C.R.) as well as student representative of each class gives feedback about the faculty administration and facilities to the class teacher and principal. This takes care of student's problems in day-to-day affair.

In case there is a grievance that is not addressed in regular meetings the principal is informed at the same by the class teacher after interaction with C.R and students. Whenever need arise a common meeting is then held with the principal along with class teacher and C.R./Students. If required a written application is given to the principal upon which appropriate action is taken.

Grievance redressal portal :

NCRD's Sterling Institute of Pharmacy, being an educational institute, approved by AICTE, Pharmacy Council of India and affiliated to University of Mumbai has established a sound grievances mechanism to make the organization more responsive to the needs of the people. This includes grievance redressal portal. Addresses need to visit the portal. Fill all the information and complaint on the portal and submit. The request would be forwarded to the respective officer and if required will be escalated to higher authorities in the institute. An inquiry will be initiated for the matter. The coordinator or committee head may arrange for face-to-face meeting if required. However, if the addressee is not satisfied, he/she can revive the complaint.

Following is a list of Grievances Redressal Committees

Grievance Type 1 Grievance Redressal Committee

Grievance Type 2 Internal Complaint Committee

Grievance Type 3 Anti-ragging Committee

Grievance Type 4 SC/ ST Cell

9.1.3 Delegation of financial powers (15)

Institute Marks : 15.00

As financial powers are concerned, management is the highest authority. The principal is signatory authority jointly with the member of the trust for all transactions. The principal is given the power to spend Rs 20,000/- from petty cash account which can be utilized for student welfare, facility maintenance and minor purchases. In case of urgent purchase, the principal is given power to spend Rs. 5,000/- per month.

Annual Budget is prepared by the principal and reviewed by Chief Administrative Officer (CAO), NCRD. BOG finally grants the permission to those budget statements.



राष्ट्रीय ग्रामीण विकास केंद्र
NATIONAL CENTRE FOR RURAL DEVELOPMENT
14, RIVER VIEW APT. II, PUNE-NAGAR ROAD, YERAWADA, PUNE 411006. TEL- 020-26684777

Regn. No. MAH95447-91 (PUNE) DL241/91

सभेचा प्रकार : मा. नियमक मंडळ सभा
सभेचा दिनांक : ०६.०२.२०२०
सभेचे ठिकाण : स्टर्लिंग स्कुल, नेरळ
सभेची वेळ : सायं. ०५.३० वाजता

विषय क्र. ७ : स्टर्लिंग इन्स्टिट्यूट ऑफ फार्मसी च्या बँक खात्यावर स्वाक्षरीचे अधिकार देणे बाबत निर्णय घेणे.

ठराव क्र. ७ : संस्थेच्या स्टर्लिंग इन्स्टिट्यूट ऑफ फार्मसी, नेरळ या महाविद्यालयाचे बँक ऑफ महाराष्ट्र शाखा नेरळ येथे एन सी आर डी ज् स्टर्लिंग इन्स्टिट्यूट ऑफ फार्मसी (बी. फार्म) या नावाने बँक खाते क्र. ६००२५०११४४० नुसार सुरु आहे. सद्या सदर बँक खाते चालविलेले कामी स्वाक्षरीचे अधिकार संस्थेचे उपाध्यक्ष श्री. भगवान वेंडे, खजिनदार श्री अविनाश तुकाराम शिंदे व प्राचार्य डॉ. श्री. मधुसूदन सुखदेव गाडगे यांना देण्यात आले असून या तीर्थापिकी कोणाही दोघांच्या स्वाक्षरीने बँक खाते चालविले जाते. परंतु महाविद्यालयाचे प्राचार्य डॉ. श्री. मधुसूदन सुखदेव गाडगे हे दि. ०५.०१.२०२० रोजी सेवानिवृत्त झाले आहेत. त्यांच्या टिक्राणी सदर पदाचा कार्यभार डॉ. श्री. रूपेश अशोक पिंगळे यांचेकडे देण्यात आला असल्याने सदर बँक खात्यावर स्वाक्षरीचे अधिकार महाविद्यालयाचे प्राचार्य डॉ. श्री. रूपेश अशोक पिंगळे यांना देणे आवश्यक असल्याबाबत सभेस माहिती देण्यात आली.

त्यावर सभेमध्ये सविस्तर चर्चा होऊन ठरविण्यात आले की, एन सी आर डी ज् स्टर्लिंग इन्स्टिट्यूट ऑफ फार्मसी (बी. फार्म) या नावाने बँक खाते क्र. ६००२५०११४४० बँक ऑफ महाराष्ट्र शाखा नेरळ या बँक खात्यावर संस्थेचे उपाध्यक्ष श्री. भगवान वेंडे, खजिनदार श्री अविनाश तुकाराम शिंदे व प्राचार्य डॉ. श्री. रूपेश अशोक पिंगळे या तीर्थापिकी कोणाही दोघांच्या स्वाक्षरीने बँक खाते चालविण्यात यावे असे सर्वानुमते ठरले.



ठराव सर्वानुमते मंजूर करण्यात आला.
सुचक : मा. श्री. चंद्रशेन घोरपडे
अनुमोदक : मा. श्री. भगवान वेंडे

(सत्यप्रत)

Secretary
National Centre for Rural Development

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

Institute Marks : 10.00

1. Service conditions, pay scales and minimum qualification for appointment of teachers and other academic staff in technical institution and measures for maintaining standards in technical Education for Degree course are laid by AICTE on following link.

<https://www.aicte-india.org/sites/default/files/AICTE%20Degree%20Pay%2C%20Qualifications%20and%20Promotions.pdf>

2. Career Advancement scheme for Degree colleges as per AICTE specifications available on following link.

<https://www.aicte-india.org/sites/default/files/AICTE-NPTEL-FDP%20for%20CAS.pdf> (<https://www.aicte-india.org/sites/default/files/AICTE-NPTEL-FDP%20for%20CAS.pdf>)

3. Leave rule conditions

4. Code of conduct.

Leave rule conditions and Code of conduct of the institution is available on the website.

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

Total Marks 30.00

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

CFY : (Current Financial Year),

CFYm1 : (Current Financial Year minus 1),

CFYm2 : (Current Financial Year minus 2) and

CFYm3 : (Current Financial Year minus 3)

Table 1 - CFY 2020-2021

Total Income 31715458.00				Actual expenditure(till...): 30586575.00			Total No. Of Students 287
Fee	Govt.	Grants	Other sources(specify) 81934	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify 0.00	Expenditure per student
31633524	0.00	0.00	81934	30091706	494869	0.00	106573.43

Table 2 - CFYm1 2019-2020

Total Income 26401355.00				Actual expenditure(till...): 34681513.00			Total No. Of Students 253
Fee	Govt.	Grants	Other sources(specify) 231351	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify 0.00	Expenditure per student
26170004	0.00	0.00	231351	32571937	2109576	0.00	137081.08

Table 3 - CFYm2 2018-2019

Total Income 28179625.00				Actual expenditure(till...): 35049231.00			Total No. Of Students 261
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify 0.00	Expenditure per student
27845840	0.00	0.00	333785	34301575	747656	0.00	134288.24

Table 4 - CFYm3 2017-2018

Total Income 27767273.00				Actual expenditure(till...): 29916868.00			Total No. Of Students 249
Fee	Govt.	Grants	Other sources(specify) 367573.00	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify 0.00	Expenditure per student
27399700	0.00	0.00	367573.00	29127727	789141.00	0.00	120148.06

Items	Budgeted in 2020-2021	Actual Expenses in 2020-2021 till	Budgeted in 2019-2020	Actual Expenses in 2019-2020 till	Budgeted in 2018-2019	Actual Expenses in 2018-2019 till	Budgeted in 2017-2018	Actual Expenses in 2017-2018 till
Infrastructure Built-Up	0	0	0	0	0	0	0	0
Library	200000	205693	250000	342202	500000	627616	1100000	378936
Laboratory equipment	500000	36410	200000	1639700	150000	0	250000	156130
Laboratory consumables	700000	2408	500000	776005	450000	804745	700000	558959
Teaching and non-teaching staff salary	17000000	17466583	20000000	19048370	14500000	18035678	14293149	16090522
Maintenance and spares	700000	1029048	500000	457177	350000	982649	500000	1423876
R&D	0	0	0	0	0	0	0	0
Training and Travel	150000	34935	110000	111953	150000	476085	150000	286452
Miscellaneous expenses*	6165970	2930613	5223300	3400183	6135050	4982997	6701029	2985378
Others, specify	7309509	8571751	8800000	8671344	7757230	8914976	7803484	7673228
Total	32725479	30277441	35583300	34446934	29992280	34824746	31497662	29553481

9.2.1 Adequacy of budget allocation (10)

Institute Marks : 10.00

The yearly budget is prepared according to the needs & requirements of the institute taking into consideration of annual intake of students, laboratory & infrastructure developments, Students, faculty & staff requirements and promotions etc.,
 Formal budget estimates will be prepared by the Principal and will be reviewed with the Chief Administrative Officer. The final budget is sent to BOG for approval and sanction. The budget allocation and utilization for the last three years is adequate which will reflect in audit trail.

9.2.2 Utilization of allocated funds (15)

Institute Marks : 15.00

Table 9.8 Utilization of Allocated Funds				
	Academic year	Budgeted	Expenses	Utilization of Funds
	2020-2021	32725479	30277441	92.52 %
	2019-2020	35583300	34428934	96.76 %
	2018-2019	29992280	34824746	116.11 %
	2017-2018	31497662	29553481	93.83 %

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

Institute Marks : 5.00

Table 9.9 Details of Audited Statements

Academic Year	Audited statements available on website (YES/NO)	Website URL
2020-21	Yes	https://www.ncrdsip.com/images/about-us/Audit-Report-2020-21.pdf
2019-20	Yes	https://www.ncrdsip.com/images/about-us/Audit-Report-2019-20.pdf
2018-19	Yes	https://www.ncrdsip.com/images/about-us/Audit-Report-2018-19.pdf
2017-18	Yes	https://www.ncrdsip.com/images/about-us/Balance-Sheet-2017-18.pdf

9.3 Library and Internet

Total Marks 19.00

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

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

Institute Marks : 10.00

Library:

The library has good ambience and is fully Air conditioned. We have Separate Digital Library for e-recourses. The books are arranged according to subject classification and arranged in the library in systematic manner. We have a separate Newspaper section. Separate reference section for reference books is also available in the library. We are maintaining SC, ST Book Bank Scheme separately.

Table 9.10 Details of Library

Carpet area of library (in sq m)	200sq.m.
Number of seats in reading space for students	70
Number of seats in reading space for teachers	6
Number of users (issue book) per day	50
Timings:	10:00 am to 6:00pm
Number of library staff	2
Number of library staff with degree in Library Management	1
Bar-coding used	Yes

Quality of learning resources (hard/soft)

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

A. Books Available for Issue:

Table 9.11 Books available for Issue

Year	Previous No. of Books	Additional No. of Books	Previous No. of Titles	Additional No. of Titles	Total No. of Titles	Total No. of Books
2012-13	5254	136	1211	35	1246	5390
2013-14	5390	116	1246	46	1292	5506
2014-15	5506	512	1292	167	1459	6018
2015-16	6018	490	1459	196	1655	6508
2016-17	6508	492	1655	96	1751	7000
2017-18	7000	502	1751	135	1886	7502
2018-19	7502	550	1886	133	2019	8052
2019-20	8052	256	2019	97	2116	8313
2020-21	8313	543	2116	123	2239	8856
		Total			2240	8860

B. Reference Books:

Total No. of Reference titles: **600**

Total no. of Reference Books: **966**

C. Digital Library Contents:

Table 9.12 Digital Library Contents

Availability of Digital Library contents:	
Available courses, number of e-Books etc.	CDs- 141 , Computers- 10 , eBooks/Journals- 408
Availability of an exclusive Server:	Yes
Availability over Internet:	Yes
Availability of exclusive space/room:	Yes

D. Journals and e-Contents:

Table 9.13 Journals & e-Contents

Year	National Journals	International Journals	Total No.
2018	National Print Journals		15
2019	1. (e-journals Sub.)	K-Hub Pharmacy e- Library	1630
	2. National Print Journals		15
2020	1. (e- journals Sub.)	K-Hub Pharmacy e- Library	1630

	2. National Print Journals	15
2021	National Print Journals	13

Relevance of available learning resources including e-resources:

Above listed learning resources are available at Institute library which is being continuously updated. With these learning resources a student pursuing graduation in pharmacy can effectively gain the knowledge of all the courses in curriculum. All the reference books and e-journals are very useful to all the faculties who are pursuing doctoral degree.

Accessibility to Students:

Access to the learning resources is managed by Circulation Section of library.

Circulation section of library handles the front desk operations of the library and is very important as it is the contact point for faculty and students to the library.

Major activities of the section are:

1. Issue and return of books
2. Attending the queries of students.
3. Registration of new members.
4. Maintenance and updating of all data related to library.
5. Sending reminders of overdue documents to students by displaying list of defaulters on notice board of library.
6. Library orientation/information and digital literature.
7. Assisting students for accessing OPAC (Online Public Access Catalogue) and reference books.

Issue and Return Procedures: Issue and returns of books is the routine operation of any library. Proper sequence of activities to be done followed to issue and receive the library books is defined below.

While issuing book-

- Quality glance at the book for any damage.
- Ensure that the student enters the details of book card.
- Enter details in issue database.
- Ask students to enter in the user register.
- Put the due date on date slip and handover the book to the user.

While Returning book-

- Quality glance at the book for any damage.
- Check the due date for necessary action
- Cancel the entries from user account.
- Cancel the entry form book card
- Send them to stack for shelving

Borrowing entitlements for the students is 2 books from general shelf per student for seven days and one reference book per student for one day. For SC/ST book bank scheme 2 books are allowed per students for 30 days. There will be overdue charge of Rs. 3 per day per book from general shelf and Rs. 50 for reference shelf per day per book. Main objective behind applying fine is to make effective use of all the books and all students will get equal probability of getting the book for issue.

Best Practices @ NCRD's SIP Library

Institutional excellence is the aggregate of the best practices followed in different areas of institutional activities. In general, the use of technology and innovative ideas lead to evolve best practices in library and information environment.

Best practices are developed in the library for following purpose.

- To execute the five laws of library science.
- To magnetize & meet the user demand.
- To maximize the utilization of library.
- To identify the needs of the users.

A. General Practices:

1. Computerization of library with MKCL's LIBRERIA software.
1. Circulation facility with the help of Bar Code Technology
2. OPAC: Online Public Access Catalogue facility for search
2. Displaying newspaper clippings on the notice board periodically.
3. Internet Facilities to user groups.
4. Information Display & Notification Service
5. Book Bank Service for SC, ST & three toppers of each academic year.
6. Digital Information Service (Previous Question Papers & Syllabus)
7. Reference Service on demand

B. Best Practices:

- Library Orientation for Freshers.
- To provide e-resources like e-books, journal articles, links to various open access books & journals to faculty and students via e-mail.

9.3.2 Internet (10)

Institute Marks : 9.00

Name of the Internet provider	SSV and TATA
Available band width	SSV 25 MBPS, TATA 100 MBPS
WiFi availability	JIO 35MB
Internet access in labs, classrooms, library and offices of all Departments	Available in computer lab, Faculty block, library and in administrative office.
Security arrangements	No

ANNEXURE I: PROGRAM OUTCOMES

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

Declaration

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

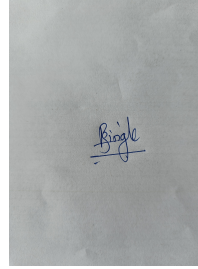
- I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines inforce as on date and the institutes hall fully abide by them.
- It is submitted that information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

Head of the Institute

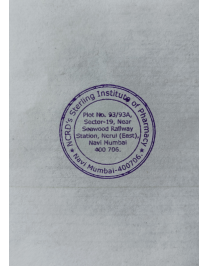
Name : Dr Rupesh Pingale

Designation : Principal

Signature :

A photograph of a handwritten signature in blue ink on a light-colored surface. The signature appears to be 'Rupesh Pingale'.

Seal of The Institution :



Place : Navi Mumbai

Date : 17-01-2022 16:45:23

