

<b>CRITERION3</b>	<b>Course Outcomes (COs) and Program Outcomes (POs)</b>	<b>60</b>
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**3.1 Establishment the correlation between the courses and the program Outcomes (20)**  
**(NBA defined Program Outcomes as mentioned in Annexure I)**

**3.1.1. Course Outcomes (50)**

SAR should include course outcomes of one course from each year of study, however, should be prepared for all courses

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

**Course Name: Cii Year of Study: YYYY – YY; For ex. C202 Year of study 2013-14**

**Course Name: C0101: Pharmaceutics**

100 is the level one of program.

C101 is the Course code for Pharmaceutics – I taught as a first course in the level one of program.

CO101.1 to.4 are the outcomes of the first course of first level of the program.

**Table 3.1.1 COURSE OUTCOME'S**

After completion of course my students will be able to:

<b>SR.NO.</b>	<b>COURSE OUTCOMES</b>
C101.1	Understand & classify different dosage form and different pharmacopoeias
C101.2	Apply to calculation including conversion from another system, desirable feature of a container, type of Containers and method size reduction.
C101.3	Understand principal, working of various instrument size separation, mixing and homogenization, clarification and filtration, extraction and galenicals, evaporation.
C101.4	Understand principal, construction, working of various instruments distillation, drying, sterilization, tablet, capsule, immunological product.

**Course Name: C0206: Hospital and Clinical Pharmacy**

200 is the level two of program.

C206 is the Course code for Hospital and Clinical Pharmacy taught as a six course in the level two of program.

CO206.1 to.5 are the outcomes of the sixth course of second level of the program.

**Table – 3.1.2 COURSE OUTCOMES**

After completion of course my students will be able to –

SR.NO.	COURSE OUTCOMES
C206.1	Define hospital, Hospital pharmacy and drug distribution system in hospital.
C206.2	Formulate sterile and non-sterile manufacture & use of surgical instruments, hospital equipments and health accessories.
C206.3	Understand PTC, DIS surgical dressing & application of computers.
C206.4	State the clinical pharmacy practice, modern dispensing aspects & terminology used in the practice of medicine.
C206.5	Describe pathophysiology, symptoms of disease, physiological parameter, drug interaction & ADR.
C206.6	Recognize drugs in clinical toxicity drug abuse, drug dependence, bioavailability of drug.

Similarly, Course Outcomes for all the remaining courses of the program are defined and documented.

**3.1.1. CO-PO matrices of courses selected in 3.1.1 (two matrices to be mentioned; one per year from 1st & 2nd Year) (05)**

**Mapping of course Outcomes and program outcomes of Program Level 1 (D. Pharm first year)**

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
C101.1	3	2	1	2	2	1	1	1	3
C101.2	3	2	2	2	2	1	1	1	3
C101.3	3	2	2	2	2	1	1	1	3
C101.4	3	2	2	2	2	1	2	1	3
AVG	3	2	1.25	2	2	1	1.3	1	3

**Table 3.1.2 (a)**

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
C204.1	3	2	3	2	3	3	3	2	3
C204.2	3	2	3	2	2	3	3	2	3
C204.3	3	3	2	1	3	3	3	1	3
C204.4	3	2	2	2	3	2	1	2	3
C204.5	3	2	3	2	3	3	3	2	3
C204.6	3	2	2	3	2	3	3	3	3
AVG	3	2.16667	2.5	2	2.66667	2.83333	2.66667	2	3

**Table 3.1.2 (b)**

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

1: Slight (Low)  
no correlation, put ‘-’

2: Moderate (Medium)

3: Substantial (High)It there is

**3.1.2 CO PO matrix for all courses Academic year 2020-2021 (10)**

Course	Subject Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
ER91-11T	PHARMACEUTICS-I	3	2	1	2	2	1	2	2	3
ER91-12T	PHARMACEUTICAL CHEMISTRY-I	3	1	2	2	2	1	2	2	3
ER91-13T	PHARMACOGNOSY	3	1	1	2	2	1	3	3	3
ER91-14T	BIOCHEMISTRY AND CLINICAL PATHOLOGY	3	3	2	2	2	3	2	2	2
ER91-15T	HUMAN ANATOMY AND PHYSIOLOGY	3	3	3	2	2	2	2	2	2
ER91-16T	HEALTH EDUCATION AND COMMUNITY PHARMACY	2	2	1	2	2	2	2	2	3
ER91-21T	PHARMACEUTICS-II	3	2	2	3	2	3	3	3	3
ER91-22T	PHARMACEUTICAL CHEMISTRY II	3	2	2	2	2	2	2	2	3
ER91-23T	PHARMACOLOGY & TOXICOLOGY	3	3	3	2	2	2	3	3	2
ER91-24T	PHARMACEUTICAL JURISPRUDENACE	3	2	2	2	2	2	2	2	2
ER91-25T	DRUG STORE & BUSINESS MANAGEMENT	3	2	2	2	2	2	2	2	2
ER91-26T	HOSPITAL AND CLINICAL PHARMACY	3	2	2	2	2	2	2	2	3
ER91-11P	PHARMACEUTICS-I	3	2	2	2	2	2	2	2	2
ER91-12P	PHARMACEUTICAL CHEMISTRY-I	3	2	2	2	2	2	2	2	2
ER91-13P	PHARMACOGNOSY	3	2	2	2	2	2	2	2	2
ER91-14P	BIOCHEMISTRY AND CLINICAL PATHOLOGY	3	2	2	2	2	2	2	2	2
ER91-15P	HUMAN ANATOMY AND PHYSIOLOGY	3	2	2	2	2	2	2	2	2
ER91-21P	PHARMACEUTICS-II	3	2	2	2	2	2	2	2	2
ER91-22P	PHARMACEUTICAL CHEMISTRY-II	3	2	2	2	2	2	2	2	2
ER91-23P	PHARMACOLOGY & TOXICOLOGY	3	2	2	2	2	2	2	2	2
ER91-24P	HOSPITAL AND CLINICAL PHARMACY	3	2	2	2	2	2	2	2	2

**Table 3.1.3**

**3.1.3 CO PO matrix for all courses Academic year 2021-2022**

<b>Course</b>	<b>Subject Name</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>
ER20-11T	PHARMACEUTICS	3	2	1	1	1	1	2	1	3
ER20-12T	PHARMACEUTICAL CHEMISTRY	3	2	1	1	1	1	2	1	3
ER20-13T	PHARMACOGNOSY	3	2	1	1	1	1	2	1	3
ER20-14T	HUMAN ANATOMY AND PHYSIOLOGY	3	2	1	1	1	1	2	1	3
ER20-15T	SOCIAL PHARMACY	3	2	1	1	1	1	2	1	3
ER91-21T	PHARMACEUTICS-II	3	2	2	3	2	3	3	3	3
ER91-22T	PHARMACEUTICAL CHEMISTRY II	3	2	2	2	2	2	2	2	3
ER91-23T	PHARMACOLOGY & TOXICOLOGY	3	3	3	2	2	2	3	3	2
ER91-24T	PHARMACEUTICAL JURISPRUDENACE	3	2	2	2	2	2	2	2	2
ER91-25T	DRUG STORE & BUSINESS MANAGEMENT	3	2	2	2	2	2	2	2	2
ER91-26T	HOSPITAL AND CLINICAL PHARMACY	3	2	2	2	2	2	2	2	3
ER20-11P	PHARMACEUTICS	3	2	1	1	1	1	2	1	3
ER20-12P	PHARMACEUTICAL CHEMISTRY	3	2	1	1	1	1	2	1	3
ER20-13P	PHARMACOGNOSY	3	2	1	1	1	1	2	1	3
ER20-14P	HUMAN ANATOMY AND PHYSIOLOGY	3	2	1	1	1	1	2	1	3
ER20-15P	SOCIAL PHARMACY	3	2	1	1	1	1	2	1	3
ER91-21P	PHARMACEUTICS-II	3	2	2	2	2	2	2	2	2
ER91-22P	PHARMACEUTICAL CHEMISTRY-II	3	2	2	2	2	2	2	2	2
ER91-23P	PHARMACOLOGY & TOXICOLOGY	3	2	2	2	2	2	2	2	2
ER91-24P	HOSPITAL AND CLINICAL PHARMACY	3	2	2	2	2	2	2	2	2

### 3.1.3 CO PO matrix for all courses Academic year 2022-2023

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

1: Slight (Low)

2: Moderate (Medium)

3: Substantial (High)

Course	Subject Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
ER20-11T	PHARMACEUTICS	3	2	1	1	1	1	2	1	3
ER20-12T	PHARMACEUTICAL CHEMISTRY	3	2	1	1	1	1	2	1	3
ER20-13T	PHARMACOGNOSY	3	2	1	1	1	1	2	1	3
ER20-14T	HUMAN ANATOMY AND PHYSIOLOGY	3	2	1	1	1	1	2	1	3
ER20-15T	SOCIAL PHARMACY	3	2	1	1	1	1	2	1	3
ER20-21T	PHARMACOLOGY	3	2	1	1	1	1	2	1	3
ER20-22T	COMMUNITY PHARMACY & MANAGEMENT	3	2	1	1	1	1	2	1	3
ER20-23T	BIOCHEMISTRY AND CLINICAL PATHOLOGY	3	2	1	1	1	1	2	1	3
ER20-24T	PHARMACOTHERAP EUTICS	3	2	1	1	1	1	2	1	3
ER20-25T	HOSPITAL AND CLINICAL PHARMACY	3	2	1	1	1	1	2	1	3
ER20-26T	PHARMACY LAW AND ETHICS	3	2	1	1	1	1	2	1	3
ER20-11P	PHARMACEUTICS	3	2	1	1	1	1	2	1	3
ER20-12P	PHARMACEUTICAL CHEMISTRY	3	2	1	1	1	1	2	1	3
ER20-13P	PHARMACOGNOSY	3	2	1	1	1	1	2	1	3
ER20-14P	HUMAN ANATOMY AND PHYSIOLOGY	3	2	1	1	1	1	2	1	3
ER20-15P	SOCIAL PHARMACY	3	2	1	1	1	1	2	1	3
ER20-21P	PHARMACOLOGY	3	2	1	1	1	1	2	1	3
ER20-22P	COMMUNITY PHARMACY & MANAGEMENT	3	2	1	1	1	1	2	1	3
ER20-23P	BIOCHEMISTRY AND CLINICAL PATHOLOGY	3	2	1	1	1	1	2	1	3
ER20-24P	PHARMACOTHERAP EUTICS	3	2	1	1	1	1	2	1	3
ER20-25P	HOSPITAL AND CLINICAL PHARMACY	3	2	1	1	1	1	2	1	3

**Table 3.1.4.**

### **3.2. Attainment of Course Outcomes (20)**

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

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

The assessment process is structured into two distinct phases: Internal Assessment and External Assessment.

##### **Internal Assessment:**

- Internal exams form the basis for assessing course outcomes, with three sessional examinations conducted throughout the academic term.
- In line with the Education Regulation of 2020 (ER-20), these exams cover both theory and practical components, with a syllabus-based allocation of 40 marks for theory and 80 marks for practical.
- Question papers for sessional exams include a mix of short, long, and multiple-choice questions, meticulously mapped with Course Outcomes (COs) to gauge students' attainment.
- For theory assessments, the total marks of 40 are converted into 20, while practical assessments are graded out of 80, with 5 marks each allotted for field visits and assignments.

##### **External Assessment:**

- The End Session Examination, conducted by the Maharashtra State Board of Technical Education (MSBTE) under the MSBTE Examination Act, serves as the external assessment component.
- The examination, as per ER-20, evaluates student's understanding of the entire syllabus through descriptive and multiple-choice questions having weightage of 80 marks.
- Similarly, the Practical Examination assesses practical skills, including preparing synopses, conducting experiments, recording and reporting data, and engaging in viva-voce sessions, all aligned with the syllabus and carrying a weightage of 80 marks.
- This comprehensive assessment approach ensures a thorough evaluation of students' knowledge, understanding, and practical competencies, in accordance with the prescribed curriculum and educational regulations.

**Table No 3.2.1 table gives the description of different tools used for evaluation of Course out comes.**

**Table No 3.2.1 Tools to compute CO Attainment**

<b>Assessment</b>	<b>Tools used for Data Collection</b>	<b>Skills/Personal Characteristics demonstrated by the students</b>
<b>1.External</b>	Theory Examination conducted by MSBTE	Performance in exam indicates depth of student's pharmacy knowledge applied to a particular course and used for betterment of society while working as pharmacist. Writing skills for communicating for content of course. Enhanced critical thinking required for professional identity and lifelong learning.
	Practical Examination conducted by MSBTE	Application of pharmacy knowledge and method for utilization of modern tools in the various experimental procedures. Application of Pharmaceutical ethics while performing the experiments considering the impact on society and environment. Leadership quality of the students and life long learning is also assessed during the conduction of viva and practical's.
<b>2.Internal</b>	Theory and Practical Examination conducted by college as per MSBTE regulation norms.	The Students are evaluated on collective domain of their intellectual skills and motor skills.

**3.2.2. Record the attainment of Course Outcomes of all courses with respect to set attainment levels (10)**

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

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

**Measuring Course Outcomes attained through Board Examination (External assessment):**

The attainment level is measured in direct assessment through internal assessments and board examination. The process of setting the target level is given below:

The last three-year board average % of marks scored by the students in the final examination for a course is used as the target levels. As per the MSBTE provision three sessional exams are conducted and the average of best two is forwarded to MSBTE as theory Average and practical average for 20 % weightage. For the conduction of exam, the question papers are framed and mapped with COs of the particular course. Each question paper is for set as per exam regulation norms hence the questions associated with same CO are grouped together and the marks scored in the particular group is considered for calculating the attainment of the associated CO. For setting the target levels for evaluation of attainment the average of the class score is considered as standard as follow:

- The CO Wise data is available only in internal assessments but it cannot be obtained from the final examination.
- Hence the target fixed for the attainment levels of each COs will be the same for all COs.
- The attainment level is defined as given in the table below.
- It is given that 80% weightage in the board examination and 20% weightage for internal assessment for CO attainment calculations.

**Table No 3.2.2.1 The set target for Attainment level**

Attainment Level 1	40 % of students scoring more than 40 %marks out of the maximum marks	Level 1
Attainment Level 2	45 % of students scoring more than 40 % marks out of the maximum marks	Level 2
Attainment Level 3	50 % of students scoring more than 40 % marks out of the maximum marks	Level 3

**Measuring CO attainment through internal examination**

As per the MSBTE provision three sessional exams are conducted and the Average of best two is forwarded to MSBTE as theory Average and practical average for 20 % weightage. For the conduction of exam the question papers are framed and mapped with COs of the particular course. Each question paper is for set as per exam regulation norms hence the questions associated with



same CO are grouped together and the marks scored in the particular group is considered for calculating the attainment of the associated CO. For setting the target levels for evaluation of attainment the average of the class score is considered as standard as follows-

Examples related to attainment level vs target are as follows –

**CAYm3 (Session 2020-21).**

### **CO101: Pharmaceutics - I**

#### **The set target for internal assessment**

- Level 1: 40 % of students scoring more than 40 % marks
- Level 2: 45 % of students scoring more than 40 % marks
- Level 3: 50 % of students scoring more than 40 % marks

### **3.3. Attainment of Program Outcomes (20)**

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

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

The assessment of Program Outcomes (POs) involves both direct and indirect methods to comprehensively evaluate students' attainment levels. Here are the assessment tools utilized for each method:

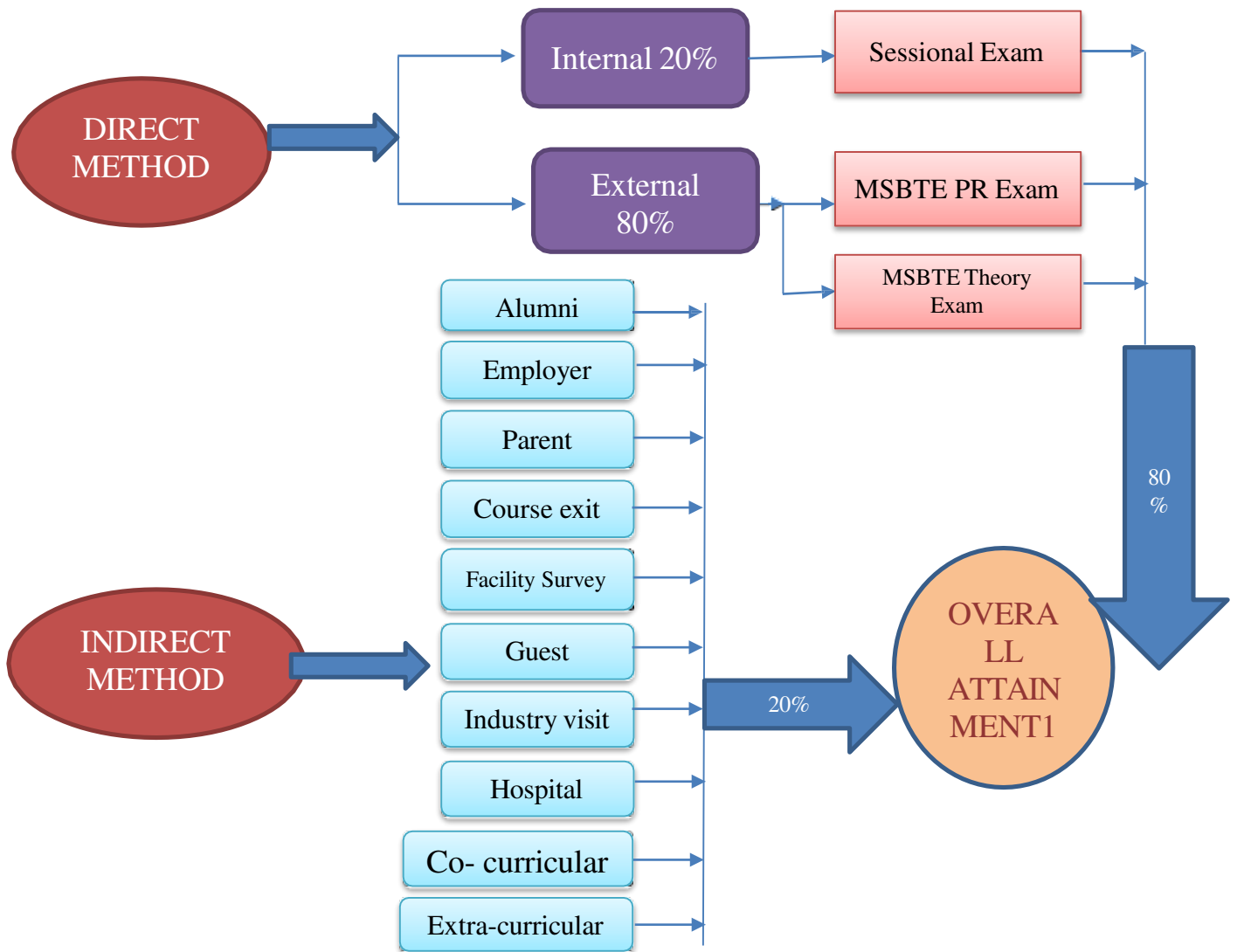
#### **Direct Methods:**

1. Theory and Practical Examinations conducted by MSBTE: These standardized examinations assess students' understanding and practical skills according to MSBTE guidelines.
2. Theory and Practical Examinations conducted by the college: Internal assessments conducted by the college adhere to MSBTE regulations and evaluate students' knowledge and practical proficiency.

#### **Indirect Methods:**

1. Alumni Survey: Feedback from alumni, gathered when they visit the institute, is mapped with the program outcomes. Rubrics are then prepared to analyze and evaluate the attainment level of program outcomes.
2. Employer Survey: Conducted after students graduate and enter the workforce, this survey assesses the quality of students in terms of PO attainment.
3. Parent Survey: Feedback from parents, collected during parent visits to the institute, is mapped with program outcomes. Rubrics are prepared to analyze and evaluate the attainment level of program outcomes.
4. Course Exit Survey: Administered upon completion of the course, this survey evaluates the program's contribution to students' overall development.
5. Facility Survey: Given upon course completion, this survey gathers students' suggestions for improving institute facilities.
6. Guest Lecture Survey: Conducted after each guest lecture, this survey evaluates the impact of expert presentations on students' knowledge, problem-solving abilities, communication skills, and pharmacy practice.

7. Industry Visit Survey: Administered once during the program, this survey assesses students' observation skills and their ability to relate classroom learning to industry settings.



**Fig No 3.3.1 Flowchart to calculate PO Attainment**

8. Hospital Visit Survey: Conducted once during the program, this survey evaluates students' observation skills and their ability to relate classroom learning to hospital environments.

9. Co-curricular Activities Survey: Administered once per year, this survey assesses the relevance of planned activities in utilizing pharmacy knowledge for problem analysis, planning abilities, and lifelong learning.

10. Extra-curricular Activities Survey: Conducted after each extracurricular activity, this survey assesses students' overall development and participation in non-academic pursuits.

These diverse assessment methods provide a comprehensive understanding of students'

achievement of Program Outcomes and contribute to continuous improvement in the educational process

### 3.3.2. Provide results of evaluation of each PO (10)

Program shall set Program Outcome attainment levels for all POs.

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

**PO Attainment:** The PO attainment is calculated from the attainment of COs through internal and external attainments i.e. considered as PO attainment by direct methods. The value obtained from the rubrics analysis of various surveys and feedbacks is considered for PO attainment by indirect methods.

**Table No 3.3.1** The PO attainment for the Year 2020-21 (CAYm3)

COURSE	SUBJECT NAME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	AVG
ER91-11	PH-I	3	2	1.5	2.5	2.5	2	1.5	1	3	2.11
ER91-12	PC-I	3	2	1.8	2	1.75	1.5	2.25	2.25	2.75	2.14
ER91-13	PGY	3	1.75	1.75	2	2.37	1.25	2.37	1.95	2.25	2.07
ER91-14	BCP	3	3	2	2	2.5	3	2	2	2.5	2.44
ER91-15	HAP	2.5	3	3	2	1.9	2	2.4	2	3	2.20
ER91-16	HECP	2	2	1	2	2	2	2	2	3	2
ER91-21	PH-II	3	2	1	2.5	2	2	2.5	1.5	3	2
ER91-22	PC-II	2.5	2.08	2.15	2	2.25	1.75	3.5	2.12	3	2.37
ER91-23	P & T	3	3	2	2	3	3	2	3	3	2.66
ER91-24	PJ	3	2	2	1.6	1	2	3	1.6	2.8	2.11
ER91-25	DSBM	2	3	2	2	1	2	1	1	3	1.88
ER91-26	HCP	3	2.5	2.5	2	2.5	2.5	2.5	2	3	2.50
<b>Direct Attainment</b>		2.64	2.11	1.9	2.01	1.83	1.81	2.22	1.86	2.82	-
<b>Indirect Attainment</b>		2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	-
<b>PO Attainment</b>		2.61	2.19	2.02	2.11	1.96	1.95	2.28	2.00	2.76	-
<b>% of PO Attainment</b>		87	73	67	70	65	65	76	67	92	-

**Table NO. 3.3.2** The PO attainment for the Year 2021-22 (CAYm2)

COURSE	SUBJECT NAME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	AVG
ER91-11	PH-I	3	2	1.5	2.5	2.5	2	1.5	1	3	2.11
ER91-12	PC-I	3	2	1.8	2	1.75	1.5	2.25	2.25	2.75	2.14
ER91-13	PGY	1.8	1.15	1.3	1.2	1	1.12	1.12	1.05	1.72	1.27

ER91-14	BCP	3	3	2.5	2	2	3	2.5	2	2.5	2.5
ER91-15	HAP	2.5	2	2	2	2	1	3	2	3	2.1
ER91-16	HECP	2	2	1	2	2	2	2	2	3	2
ER91-21	PH-II	3	2	1	2	2	2	2.5	1.5	3	2.11
ER91-22	PC-II	1.5	1.2	1.23	1.2	1.4	0.95	1.4	1.3	1.8	1.33
ER91-23	P & T	2.6	2.6	2.6	1.7	1.7	1.7	2.6	2.6	1.7	2.20
ER91-24	PJ	2.2	1.4	1.4	1.17	0.73	1.4	2.2	1.17	2	1.52
ER91-25	DSBM	0.4	0.6	0.4	0.4	0.2	0.4	0.2	0.2	0.6	0.377
ER91-26	HCP	3	2.5	2.5	2.5	3	3	2.5	2.5	3	2.72
<b>Direct Attainment</b>		2.02	1.61	1.47	1.45	1.41	1.45	1.71	1.48	2.03	-
<b>Indirect Attainment</b>		2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	2.73	-
<b>PO Attainment</b>		2.16	1.83	1.72	1.70	1.67	1.70	1.91	1.73	2.16	-
<b>% of PO Attainment</b>		72	61	57	57	56	57	64	58	72	-

**Table No: 3.3.3** The PO attainment for the Year 2022-23 (CAYm2) is shown in the table 3.3.2.3

COURSE	SUBJECT NAME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	AVG
ER20-11T	Pharmaceutics	3	2.7	1.5	1.9	1.7	1.7	1.9	1.9	3	2.14
ER20-12T	Pharmaceutical Chemistry	2.2	1.5	1.05	0.82	1.47	1.05	0.72	1.7	2	1.39
ER20-13T	Pharmacognosy	1.8	1.15	1.3	1.2	1	1.12	1.12	1.05	1.72	1.27
ER20-14T	HAP	1.8	1.8	1.3	1.3	1.3	1.3	1.8	1.8	1.8	1.57
ER20-15T	SP	2.9	2.43	2.4	1.93	2.9	2.43	2.4	1.93	2.9	2.46
ER20-21T	Pharmacology	3	3	3	3	2	3	3	3	2	2.77
ER20-22T	CMP	3	2	1.5	2.5	1.5	2	2	1	3	2.05
ER20-23T	BCP	3	3	2.5	2.5	2	2.5	3	2	2	2.50
ER20-24T	Pharmacotherapeutics	3	1	2.25	3	2.25	3	2.8	1.75	3	2.45
ER20-25T	HCP	3	2.5	2.5	2.5	3	3	2.5	2.5	3	2.72
ER20-26T	Pharmacy Ethics & Law	3	2.75	2.25	3	2.75	2.5	2.5	2.5	3	2.69
<b>Direct Attainment</b>		2.42	1.68	2.5	2.10	1.79	1.93	2.02	1.70	2.54	-
<b>Indirect Attainment</b>		2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	-
<b>PO Attainment</b>		2.45	1.86	2.52	2.20	1.95	2.06	2.13	1.88	2.55	-
<b>% of PO Attainment</b>		82	62	84	73	65	69	71	63	85	-

**Table No: 3.3.4** Percentage PO attainment with respect to level 3 :

Program Outcome No.	Program Outcome	PO attainment	PO attainment	PO attainment for	Average PO attainment of last
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		for CAYm3	for CAYm2	CAYm1	three years
PO1	Pharmacy knowledge	67	72	82	74
PO2	Modern tool usage	73	61	62	65
PO3	Leadership skill	67	57	84	69
PO4	Professional Identity	70	57	73	67
PO5	Pharmaceutical ethics	65	56	65	62
PO6	Communication skill	65	57	69	64
PO7	The Pharmacist and society	76	64	71	70
PO8	Environment and sustainability	67	58	63	62
PO9	Lifelong Learning	92	72	85	83

**Self-Assessment table for Criterion 3:**

Sr.	Assessment Parameters	Marks	
		Prescribed	Obtained
3.1	Establish the correlation between the courses and the Program Outcomes	20	20
3.2	Attainment of Course outcomes	20	15
3.3	Attainment of Program Outcomes	20	15
<b>Total</b>		<b>60</b>	<b>50</b>

