



VIGNAHARTA TRUST
SHIVAJIRAO S. JONDHLE COLLEGE OF PHARMACY,
ASANGAON.

TAL.- SHAHAPUR, DIST.- THANE (M.S.) -421 601

Approved by AICTE, New Delhi, Recog. by Govt. of Maharashtra & PCI - New Delhi

Affiliated to MSBTE and University of Mumbai

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P-28

28:-Analysis of assessment and attainment of outcomes

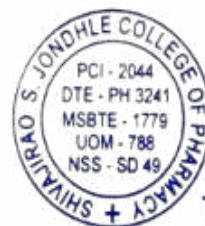
The assessment process is structured into two distinct phases: Internal Assessment and External Assessment.

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.



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Table No 1 Tools to compute CO Attainment

Assessment	Tools used for Data Collection	Skills/Personal Characteristics demonstrated by the students
1.External	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.
2.Internal	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.



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Course Outcomes Attainment

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.
1. Employer Survey: Conducted after students graduate and enter the workforce, this survey assesses the quality of students in terms of PO attainment.
2. 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.
3. Course Exit Survey: Administered upon completion of the course, this survey evaluates the program's contribution to students' overall development.
4. Facility Survey: Given upon course completion, this survey gathers students' suggestions for improving institute facilities.
5. 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.





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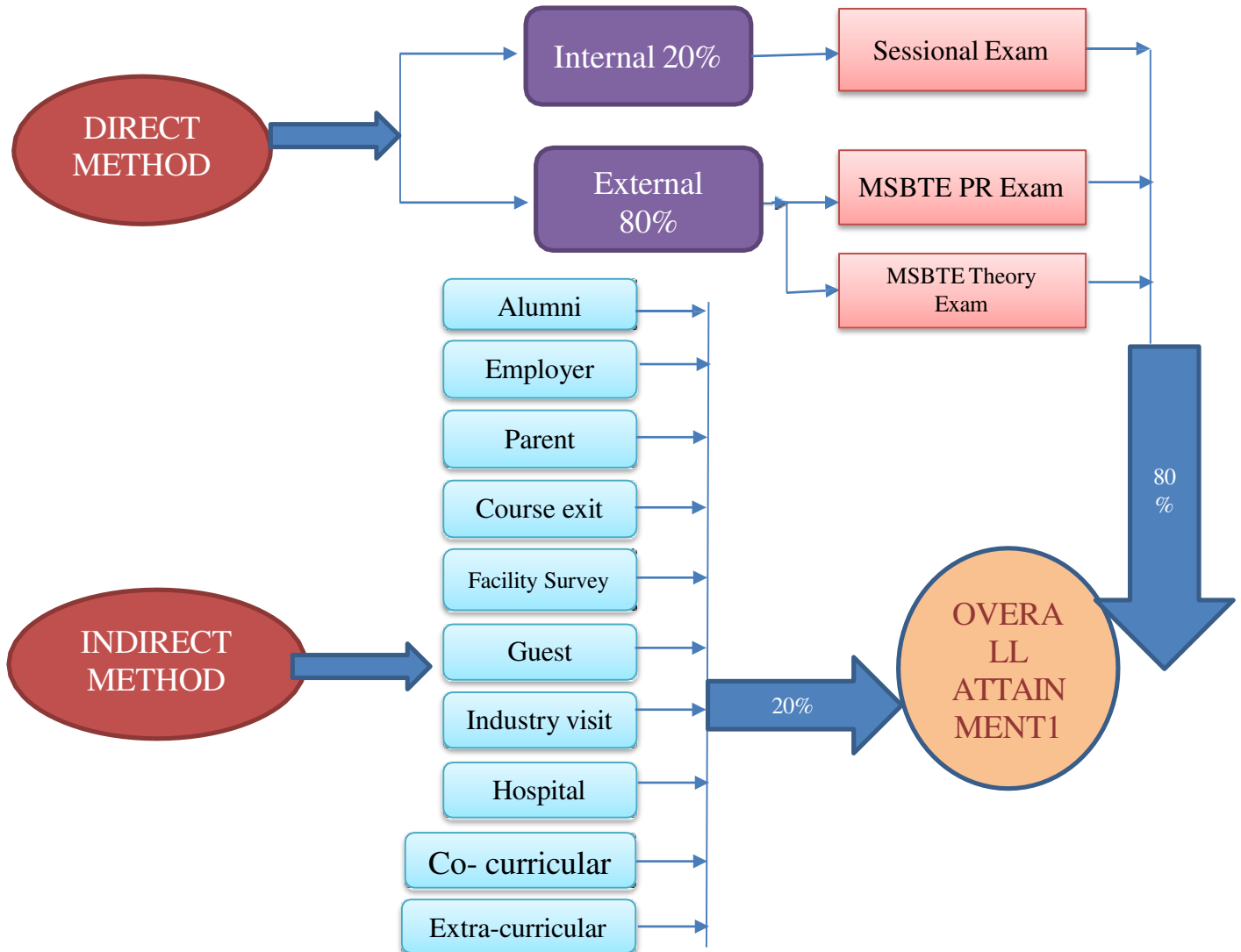


Fig No 3.3.1 Flowchart to calculate PO Attainment

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



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8. 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.

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





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The frequency with which these assessment processes are carried out:

Sr.no	Assessment Tools	Frequency
Direct Assessment		
1	External	Once in Year
2	Internal	Once in Year
In Direct Assessment		
1	Alumni Survey:	Once in Year
2	Employer Survey	Once in Year
3	Parent Survey	Once in Year
4	Course Exit Survey	Once in Year
5	Facility Survey:	Once in Year
6	Guest Lecture Survey:	Once in Year
7	Industry Visit Survey:	Once in Year
8	Hospital Visit Survey:	Once in Year
9	Co-curricular Activities Survey	Once in Year
10	Extra-curricular Activities Survey:	Once in Year



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