



MOTHER TERESA COLLEGE OF PHARMACY

(Approved by AICTE & Affiliated to D.U. & Recognised by P.C.I.)

N.F.C. Nagar, Ghatkesar, Medchal Dist. T.S.

2.6.2: Attainment of POs and COs are evaluated.

Programme outcomes (PO) are achieved through curriculum that offers a number of mandatory courses as well as elective courses. The institution has robust mechanism for evaluation the attainment of PO and CO based on performance in internal and university exams in the scale of 0-3.

There are 11 PO prescribed by NBA and are listed below.

Programme outcomes (P.O)	Graduate Attributes
1	Pharmacy Knowledge
2	Planning Abilities
3	Problem Analysis
4	Modern Tool usage
5	Leadership skills
6	Professional Identity
7	Pharmaceutical Ethics
8	Communication
9	The Pharmacist and society
10	Environment and sustainability
11	Life-long learning

Course Outcomes (CO) :are well defined and are prepared for each course.

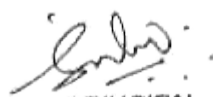
The example of CO for the subject Pharmaceutical Analysis I (BP102) is given below.

BP102 (1): To study fundamentals of pharmaceutical analysis and pharmacopoeia.

BP102 (2): Understand basic concepts involved in errors and to know the sources of impurities and methods to determine the impurities.

BP102 (3): Clarify need and basic principles of Acid Base titration, non aqueous titration, complex metric titration, precipitation titrations, gravimetric analysis etc.

BP102 (4): Illustrate principle, types of electrode, instrumentation and applications of Potentiometry, Conductometry and Polarography.


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Methods of measuring the level of CO attainment:

- The students are evaluated through CIE, Sessional (Internal) and External examinations.
- The level of attainment of COs for both Internal and External examination is set for all courses on the scale of 0 to 03.
- The **questions asked** in the internal/ continuous assessments are mapped with COs and POs of that particular subject.
- The marks obtained by **each student in CIE, sessional and external examination**, of every course is mapped on the scale of 0 to 03 and **Report** is prepared and submitted to exam section by the faculty members.
- The **final course outcome attainment** is calculated by making correlation between attainment through External exam (80% weightage) and Internal examination (20% weightage).

Methods of measuring the level of PO attainment: The attainment of POs is measured by following methods.

1. Direct and Indirect tools

For the calculation of attainment of PO the data for last two academic years is taken

Direct attainment level of a PO is determined by taking average of attainment of all course outcomes.

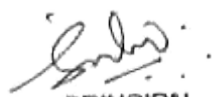
Indirect attainment level of a PO is determined based on the analysis of Feedbacks/Surveys.

The evaluation of each PO is done by using following

2. Course Component: In this method the course content of each subject is mapped with PO and percentage of mapping is determined.

3. Extracurricular and Co-curricular component: Based upon the mapping with course component, Gap analysis is done and addressed The institution has a robust mechanism for evaluating the attainment of PO-CO based on performance of student in CIA and University examination in the scale of 01 to 03.

4. Mapping of PO attainment with Programme Educational Objective (PEO) : After PO attainment, these are finally mapped with PEO.


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