2.6.2: Attainment of POs and COs are evaluated. Explain with evidence in a maximum of 500 words.

Programme Outcomes (POs) and Course Outcomes (COs) of the institution project the quality of education provided by the institute. In the IQAC meetings held, the course outcomes of each subject and CO-PO mapping were discussed and integrated into the curriculum. The program outcomes aim at nurturing skills and capacity among students for employment, research, problem solving, social responsibility, ethics, protection of the environment, and empowerment through education. The focus of course outcomes depends on subject knowledge, awareness and sensitivity towards existing problems in society, experiential knowledge, research orientation, and industry readiness.

The following aspects are considered in the attainment and evaluation of POs and COs: Program outcomes and course outcomes are evaluated by the attainment of course outcomes for each course, estimated based on the given assessment process.
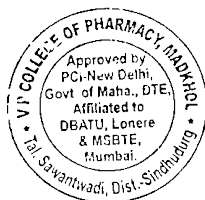
Direct Method:

Step 1: The faculty uses the COs of the respective course prepared by the respective faculty. The internal exam was calculated as an average exam for further calculation of direct attainment.

Step 2: The weighted marks of external and internal examinations were distributed based on total marks as per the university curriculum and used for further calculation of CO attainment.

Step 3: Attainment of each CO through external and internal examination was calculated by multiplying the percentage of questions asked in the respective exam, examination mark weightage, and class average in the same examination.

Step 4: The percentage of CO attainment was calculated by dividing the sum of individual CO attainment by the average weight distribution of respective CO.

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Indirect Method:

- The publication of review articles and research articles in journals of national repute is evidence of the impressive research culture.
- Organization and participation in events like conferences, seminars, workshops, and pharmaceutical expos are also useful to evaluate the leadership qualities and organizational skills of students.
- Students excelled in the GPAT/NIPER and State Government Entrance Examinations in higher educational institutions of eminence. Some students pursuing courses abroad also add up to the evaluation process.
- The industry's evaluation of student performance during the internship period adds to the achievement.
- Alumni excelling in many pharmaceutical companies and government organizations are an asset to institution.
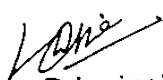
POs and PSOs attainment:

Direct attainment: Obtained by taking the averages of all CO-PO and CO-PSO attainment matrices defined for all courses.

Indirect attainment: Obtained from attainment values POs and PSOs of surveys, including graduate exit, alumni, and parent feedback.

Final attainments were calculated by considering 70% of the direct assessment & 30% of the indirect assessment.

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