

## 2.6.2. Attainment of PO and CO:

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

The following aspects are considered in the attainment and evaluation of POs and COs: Programme 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 respective faculty and is verified by HODs. The internal exam was calculated as average exams for further calculation of direct attainment.

**Step 2:** Weightage of external and internal examinations marks 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 marks 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 Average Weight Distribution (AWD) of respective CO, i.e.

## **Indirect Method:**

- Publication of review articles and research articles in Journals of national repute is evidence for the impressive research culture.
- Organization and participation in events like Conferences/Seminars/Workshops/Pharma Expos are also useful to evaluate the leadership qualities and organizational skills of students.

- Students excelled in the GPAT Entrance Examination, and many pursuing post-graduate courses in higher educational institutions of eminence. Some pursuing courses abroad also add up to the evaluation process.
- Industry's evaluation on student performance during the internship period adds to the attainment.
- Alumni excelling in many pharmaceutical companies and government organizations are an asset to institution.

## **POs and PSOs attainment**:

Direct attainment: Obtained by taking 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 Parents feedback.

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

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