

2.6.2 – *Attainment of Programme outcomes and course outcomes are evaluated by the institution.*

The attainment of Course Outcomes is determined directly through both internal and external assessments. Internally, knowledge and skills are evaluated based on students' performance in assignments, experiments, lab work, projects, class tests, and assessment tests. However, the internal assessment process varies across different programs.

Both direct and indirect methods are used to calculate overall CO Attainment

Following steps are used to evaluate the levels of CO-PO attainment:

1. Define Programme Outcomes
2. Define/Obtain Course Outcomes
3. Mapping of Course Outcomes with Programme Outcomes.
4. CO measurement through assessment.
5. Obtain CO attainment table through direct and indirect assessment methods
6. Obtain PO attainment table through direct and indirect assessment methods.

CO Attainment: Internal attainment is calculated as the average of results obtained through various internal assessment tools. Direct attainment is determined by combining internal and external attainment levels using the formula: Total Direct Attainment = 20% internal attainment + 80% university attainment. Indirect attainment is measured through the Course Exit Survey (CES). The overall Course Outcome (CO) attainment comprises 20% from indirect assessment and 80% from direct assessment.

PO Attainment: Program Outcome (PO) assessment is conducted at the end of each program, based on the Course Outcome (CO) attainment from all curriculum components. The attainment level can be determined either by the specific program or, more commonly, by the institution. By evaluating students' knowledge, the institution or program can make the most informed decision regarding PO attainment. The overall PO attainment is calculated by combining 80% of the PO attainment from the direct method with 20% from the indirect method.

- Overall indirect method is the 100% attainment through GES.
- Overall PO attainment is the sum of 80% of direct attainment and 20% of indirect attainment.