

2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated

Atria Institute of Technology practices outcome-based education. The National Board of Accreditation defines the twelve program outcomes for UG programs and five for PG programs. The affiliating university specifies the Course Outcomes (COs) in the syllabus assigned to each course. The COs can be upgraded by the faculty to reflect predicted levels of cognitive, emotional, and psychomotor learning. All the courses are mapped to the POs on a scale of the high, medium, and low as per Bloom's taxonomy levels. The COs and POs of all the programs offered by the institution are displayed at various places as listed in Table 2.1. The gaps are identified based on the mapping of the COs with POs and their attainment levels. Every department conducts various activities like SDPs, STTPs, FDPs, Workshops, Webinars, Internships, Projects, etc., to fill the gaps identified.

Table: 2.1:

Sl. No.	Place
1	College website: https://atria.edu/vision.php
2	HOD office
3	Faculty rooms
4	Classrooms
5	Department notice boards
6	Lab manuals
7	Laboratories
8	Department corridors

CO-PO/PSO Assessment Tools

Assessment tools are categorized into direct and indirect methods as shown in Figures 2.5 and 2.6 to assess the program-specific outcomes, program outcomes, and course outcomes.

1. Direct methods: The student's performance in the continuous assessment tests, semester-end exams, presentations, and assignments directly demonstrates their knowledge and skills. These techniques offer a robust system of student learning outcomes.

- The achievement of the course outcomes will depend on how well the students perform in internal tests and in final exams at the university.
- The completion of the course survey also helps with the achievement of the course outcome.
- On a scale of 3, 2, and 1, course outcomes for a given subject are mapped to the relevant POs / PSOs. Attainment for a given programme outcome is determined by taking the weighted average of all course outcome attainments that address POs / PSOs. The computations are the same for each PO, PSO, and course.
- The sum of all attainments for a given POs / PSOs will be divided by the number of courses mapped to the corresponding POs / PSOs to determine the POs / PSOs attainment for a batch of students.

2. Indirect methods: Indirect methods include **surveys** from the stakeholders, which offer feedback on student's learning.

- The Internal Quality Assessment Cell (IQAC) of the Institute is in charge of evaluating and monitoring the quality of the academic programmes.
- The DAC creates a list of inquiries about the programme outcomes, graduate characteristics, and program-specific outcomes.
- These inquiries will be made to gather information on graduates, parents, final-year students, and employers' perceptions of the programme.
- The ratings for the questions will be between 3 and 1, and the indirect survey attainment will be computed by those ratings.

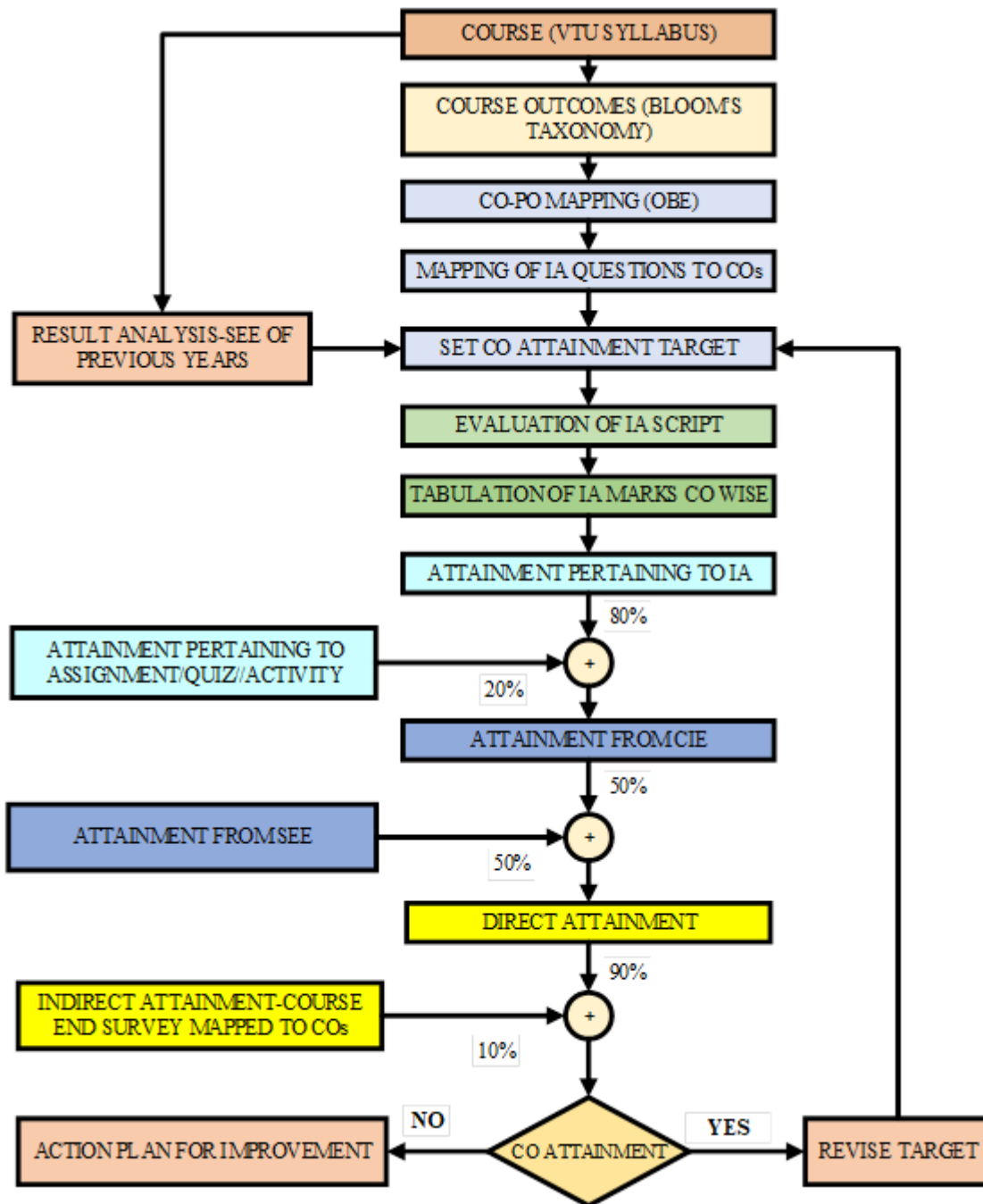


Figure: 2.5 CO Attainment Process

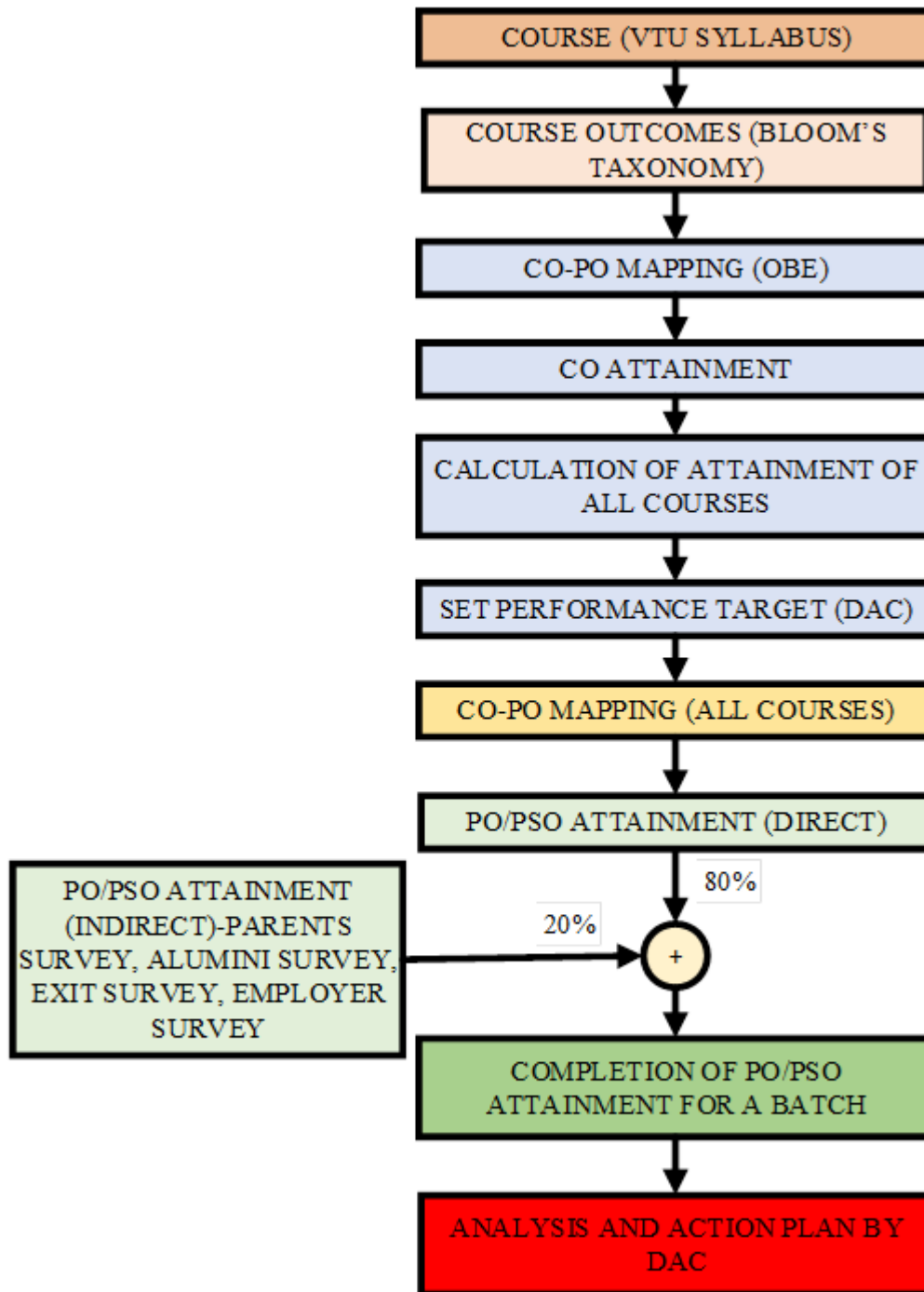


Figure: 2.6 PO/PSO Attainment Process