



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

Response:

POs are statements that describe what students are expected to know and be able to do upon graduating from the program. These relate to the skills, knowledge, analytical ability, attitude and behavior that students acquire through the program. NBA has defined the twelve POs for an engineering graduate. These are in line with the Graduate Attributes defined by the Washington Accord.

The Course Outcomes (COs) are the resultant knowledge, skills and attitudes the student acquires at the end of a course. Course Outcomes are formulated based on the syllabus of that particular course. The Course Outcomes are mapped with the Program Outcomes and Program Specific Outcomes (PSOs).

Communication to the teachers

- The college has organized various seminars on Outcome Based Education (OBE) to familiarize teachers with OBE Assessment, Program Outcomes and Bloom's Taxonomy.
- The POs, PSOs, PEOs and COs are made a part of the course file of every course
- POs are communicated in faculty meeting
- POs, PSOs and COs are well displayed on the website.
- POs and PSOs are displayed in the HODs Room.
- POs and PSOs are displayed in laboratories
- POs and PSOs are displayed in Staff room
- POs and PSOs are displayed in classrooms

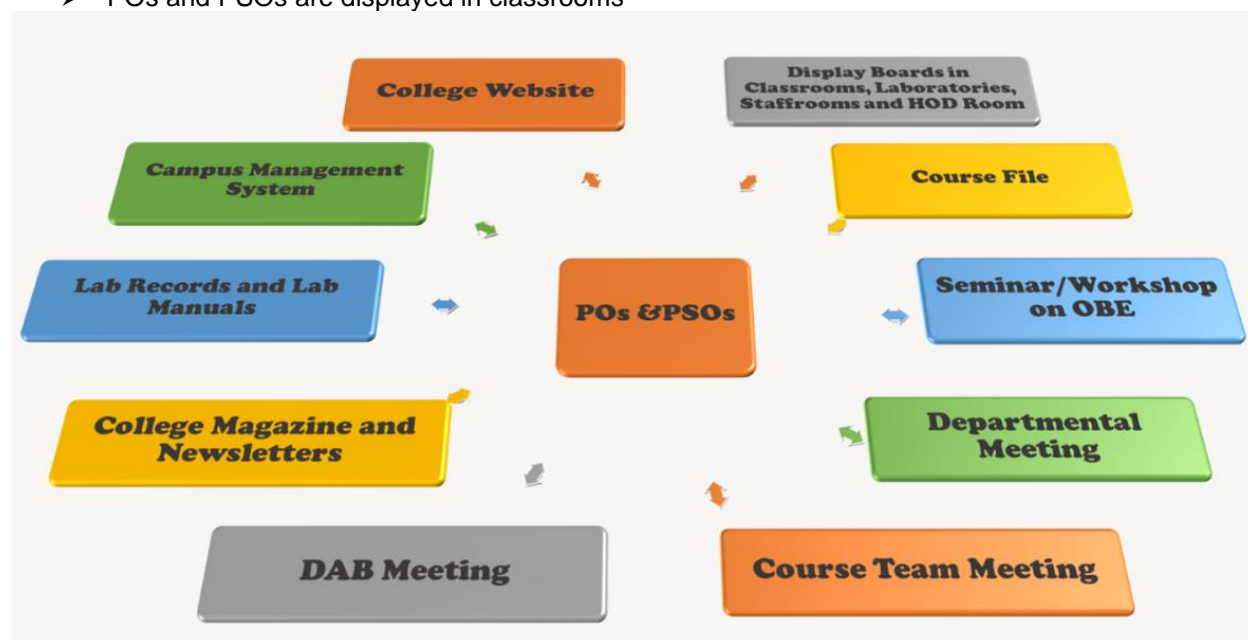


Fig: Dissemination of POs and PSOs among Teachers

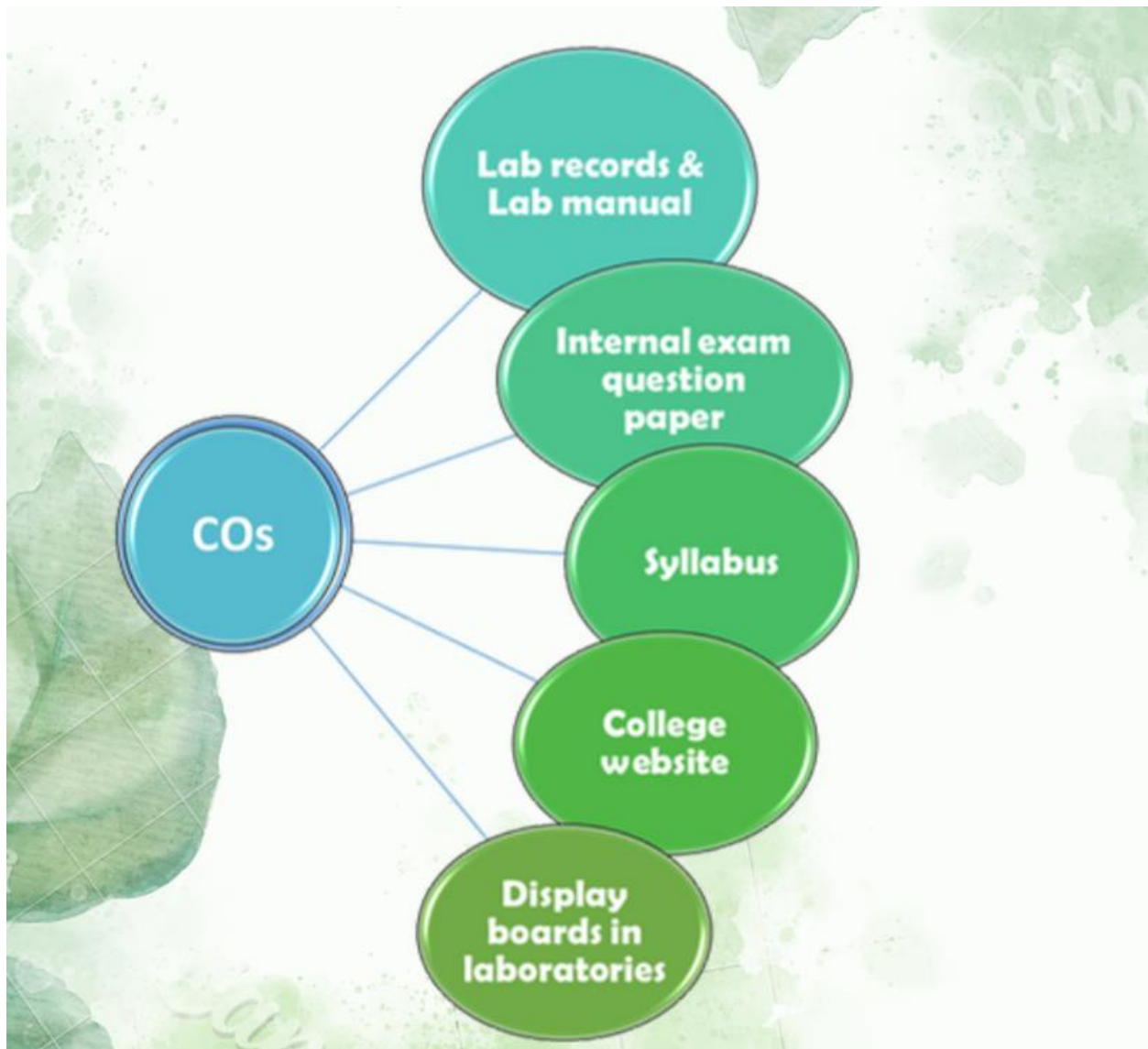


Fig: Dissemination of COs among Teachers

Communication to the students

- POs, PSOs and COs are well displayed on the website.
- POs and PSOs are displayed in the HODs Room.
- POs and PSOs are displayed in laboratories
- POs and PSOs are displayed in Staff room
- POs and PSOs are displayed in HOD Room
- POs and PSOs are displayed in class rooms
- POs are included in the college magazine and newsletters
- POs, PSOs and corresponding Cos are published in students lab record



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NAAC Cycle 2

Criterion: 2.6.1

- Head of the Department and the corresponding class tutor explain various Programme Outcomes to the students during the department orientation meeting.
- Corresponding COs are included in the internal exam question papers
- Teachers who handle various courses explain course outcomes and relate such outcomes to POs and PSOs.
- Teachers also explain the pattern of questions in the internal question papers and its correlation with the Course Outcomes.
- From 2019 regulation B-Tech Programme, COs are included in the University Syllabus itself.
- The POs and COs are given in the Laboratory Manuals prepared by the faculty members



Fig: Dissemination of POs and PSOs among Students





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Fig: Dissemination of COs among Students





Evaluation of COs by the Institution

- At present, the common method used in assessing the student in the institution are final university exam, internal series tests, assignments, lab exams, seminars and projects.
- This method is chosen because of the information is available and is common for most of the courses. Students mark from these assessments are used for evaluation course outcomes.

The following figure shows the process of CO evaluation.

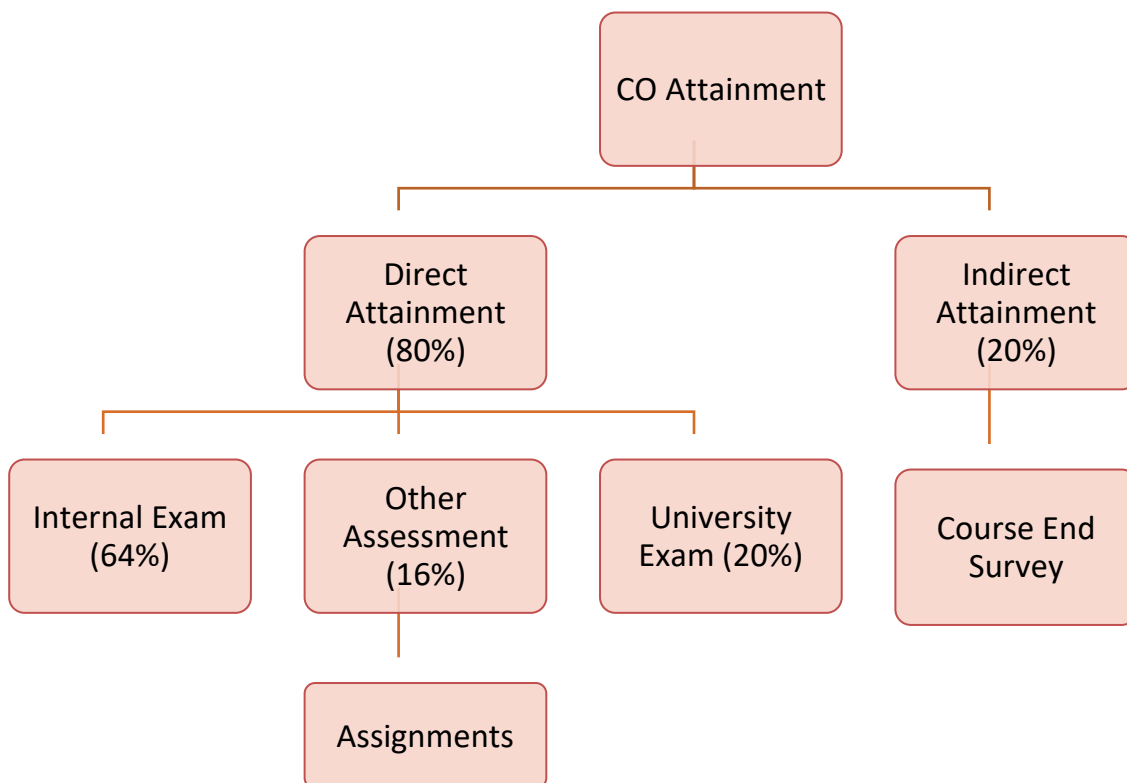
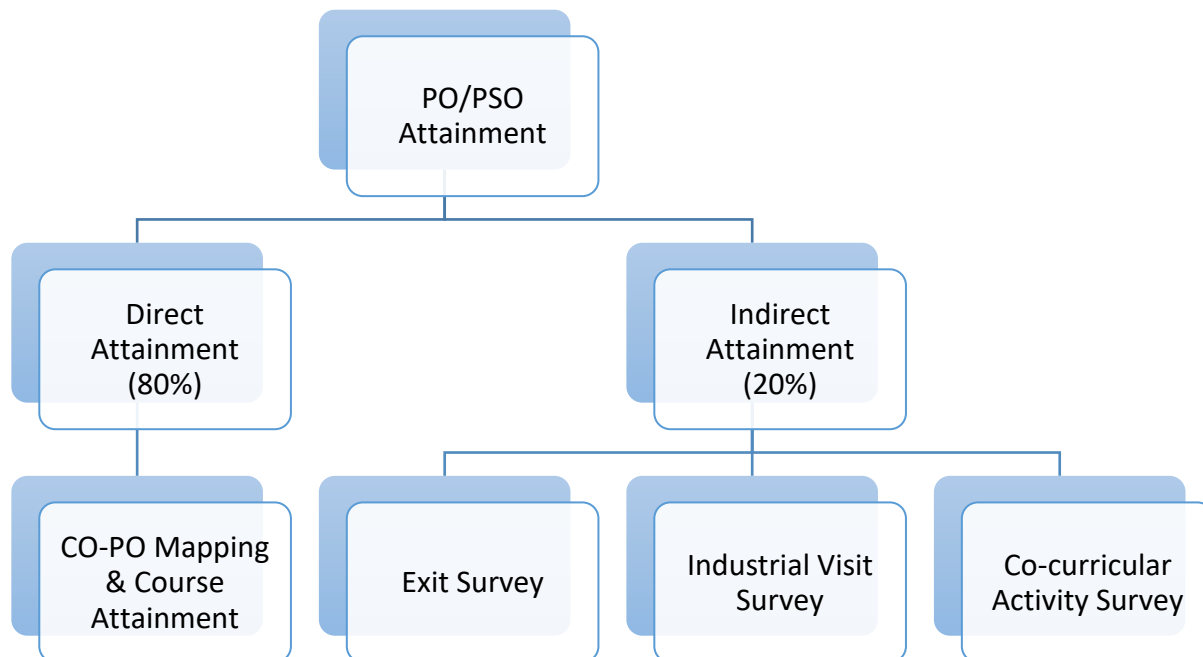


Fig: CO ASSESSMENT TOOLS - THEORY COURSES



PO/PSO EVALUATION

PO/PSO ASSESSMENT TOOLS & WEIGHTAGE



- The program outcomes are measured by considering the course outcomes for all the courses at the end of the program.
- Course outcomes for each course are mapped with the program outcomes and program-specific outcomes.
- Direct and indirect assessment methods are used to calculate the achievement. PO/PSO assessment is done by giving 80% weight to direct assessment and 20% weight to indirect assessment.
- Direct assessment is based on the CO attainment obtained and the corresponding CO-PO/PSO mapping.
- **Direct PO attainment** of a particular PO is calculated by taking the average across all courses addressing that PO and/or PSO.
- **Indirect PO attainment** is done through the program exit survey, co-curricular activity survey and industrial visit survey.