

2.6.2

Course outcomes of a course are the attributes that the students are expected to achieve after completing the course. The assessment results are used for continuous quality improvement and it is also used to improve the teaching and learning process in a particular course.

Institutional process and methods for direct CO assessment/attainment is based upon following CO assessment tools and related attributes

Course Type	Assessment Tool	Assessment Criteria	Data Collection
Theory	Mid Semester Test I & II	Based on student performance in internal Exams	Twice in a semester
	Assignments/Quiz	Based on student performance in Assignment/Quiz	Minimum one assignment from each CO
	University Exams for Theory	Based on student performance in University Exam	Once in a semester
Lab	Lab Work Sessional	Based on Student performance in labs	Every turn of laboratory performance
	Lab Assignment/Quiz	Based on student performance in Lab Assignment/Quiz	Once in a semester
	University Exam for Lab	Based on student performance in University Exam	Once in a semester
Project	University Results	Based on student performance in University Exam	Once in a semester
	Internal Presentations	Based on student performance in internal presentations for projects	Twice in a semester

B) Institutional process and methods for PO and PSO attainment

Technocrats Institute of Technology (Excellence), is considering following two types of assessment tools for computing attainment of Program Outcomes (POs) and Program Specific Outcomes (PSOs):

- i. Direct Assessment Tool
- ii. Indirect Assessment Tool

i. Direct Assessment Tool


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These tools are used to assess the knowledge acquired and learning abilities of students. The assessment is carried out with the help of external and internal assessment processes conducted during the semester.

ii. Indirect Assessment Tool

Indirect methods of assessment are based on ascertaining opinion of stakeholders which include graduating students, alumni and employer. Feedback survey questions are designed to assess the attainment of POs and PSOs. The surveys conducted for indirect assessment of POs and PSOs are as follows:

- a) Program Exit Survey (PES)
- b) Parent’s feedback Survey (PS)
- c) Alumni feedback Survey (AS)
- d) Employers’ feedback Survey (ES)

Weightage of PO and PSO assessment tools

Types of Assessment	Assessment Tools	
Direct Assessment (Weightage 80%)	External Assessment	End Semester Theory Examination (Weightage
		End Semester Practical Examination (Weightage
		End Semester Project Evaluation (Weightage 70%)
	Internal Assessment	Mid-Sem Tests (Weightage 66.67%)
		Assignments/Tutorial (Weightage 33.33%)
		Lab Work (Weightage 40%)
		Industrial Training/Internship (Weightage 100%)
Field Visit/Case Study/Seminar Work (Weightage		
Project Work (Weightage 30%)		
Indirect Assessment (Weightage 20%)	Program Exit Survey (Weightage 50%)	
	Parent’s feedback Survey (Weightage 15%)	
	Alumni feedback Survey (Weightage 15%)	
	Employers’ feedback Survey (Weightage 20%)	

PO /PSO Attainment Targets

PO/PSO target for assessment of attainment	80% of highest occurrence value i.e. 3 in CO-PO/PSO mapping as target for all PO/PSO. (80% of 3 = 2.4 ,target for all PO/PSO attainment computation)
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