CATEGORY 2

TEACHING LEARNING AND EVOLUTION

2.6.2.ATTAINMENT_PO AND CO

ATTAINMENT OF PROGRAMME AND COURSE OUTCOMES

Attainment of Course Outcomes In the Outcome Based Education (OBE), assessment is done through one or more than one processes, carried out by the department, that identify, collect, and prepare data to evaluate the achievement of course outcomes (CO's).

The process for finding the attainment of Course outcomes uses various tools/methods. These methods are classified into two types: Direct methods and indirect methods.

Direct methods
Continuous Internal Evaluation- Importance to Process
These methods are based on students' performance in various assignments designed for each course. At Aayojan we have a continuous internal evaluation process for the assignments. The nature of assignment varies from progressive development in design represented through tracings and/ or models, sheets, journals, group presentations, group discussions in class. The nature varies course wise, but fits into the larger goals of PO.
Generally 60% marks are reserved for process 40% marks are reserved for final outcome. Though there is flexibility for the subject team to decide.

Final End Semester Evaluation conducted by the SPPU University–
Importance given to Final Outcome.
After the completion of a semester, stuents are assessed based on their performance in the final exams. They face 4 types of evaluation–
1. Viva-voce- Where students present their work, understanding and answer questions orally.
2. Assessment through the sessional work (In absentia)
3. Assessment of written exams conducted by the University

Indirect methods such as course exit survey and examiner feedback to reflect on student's learning. They are used to assess opinions or thoughts about the graduate's knowledge or skills

Method for mapping Course Outcome with Programme Outcome

For Assessing the attainment of Programme Outcomes, Follwing distribution is done-
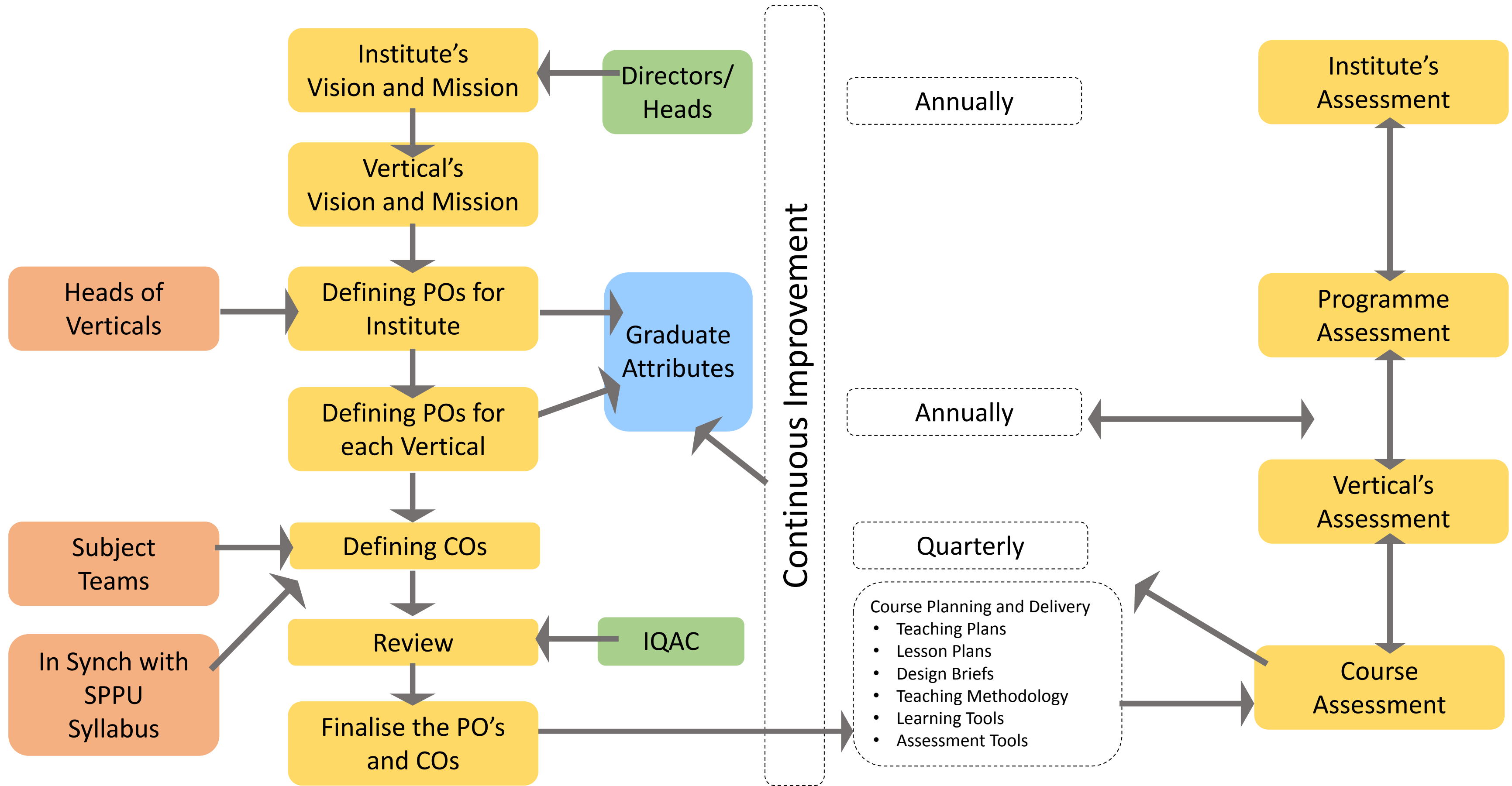Direct method – 80%
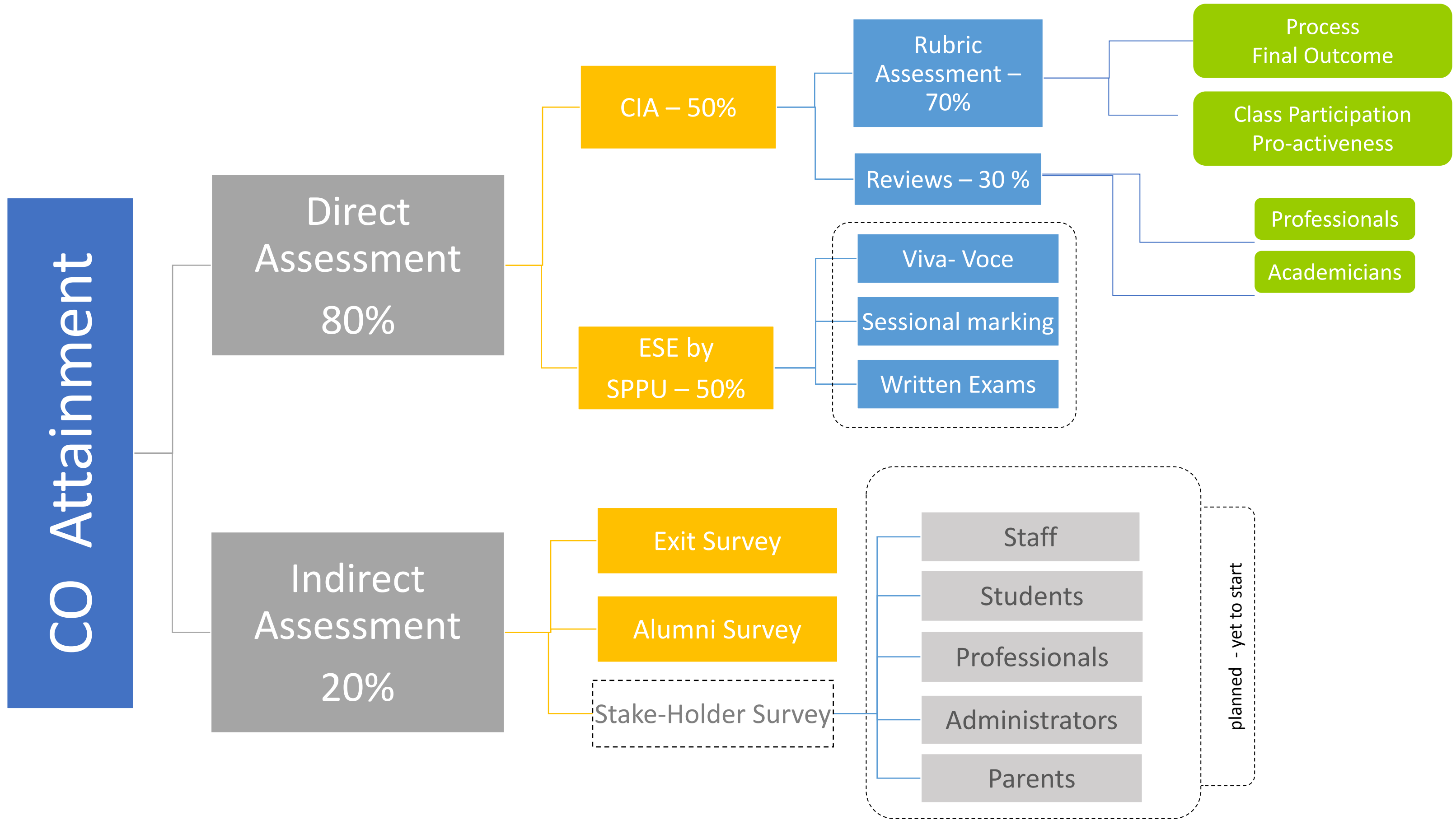Indirect method – 20%

A detailed method shall be formulated-

The indirect method involves the 'Exit Survey' filled by the students. The survey may contain questions that are directly related to the Programme Outcomes.

In direct method- Mapping of attainment of the course outcomes with the Programme Outcomes shall be done. Cumulated and the average score shall be calculated which in turn shall contribute to the calculation of the attainment of the Programme Outcome. This shall be simplified by earmarking a few courses as culminating courses and the others as enabling courses.

Rubrics shall be used for both formative and summative assessment of students. Same rubric shall be used for assessing an outcome so that the faculty is able to assess student progress and maintain the record of the same for each student. The rubrics shall be shared with students before being evaluated so that they are aware of the performance criteria and their weightage

Introduction

Mapping the Vision to Attainment of POs and COs

Aayojan School of Architecture and Design, Pune

Attainment of CO

Aayojan School of Architecture and Design, Pune

CO AND PO ASSESSMENT TOOLS

	Course Type	Assessment Tools		Minimum Frequency
	Studio subject with Project	CIA	Stage wise Reviews	Every 2 weeks – Minimum 8
			Group Discussion	Twice in a semester
			Group Presentations	Twice in a semester
			Reviews from Professionals. Academicians	Once in a semester
		ESE	Viva- Voce	Once in a semester
	Theory subject with assignments	CIA	Assignments	Every Class
			Tutorials	Twice in a semester
			Presentations	Twice in a semester
			Market Survey/ Site Study/ Documentation	Once in a semester
		ESE	Viva- Voce	
			Written Examination – In-Sem	
			Written Examination – End-Sem	

CO – PO Assessment Tools

	CO AND PO ASSESSMENT TOOLS			
	Course Type	**Assessment Tools**		**Minimum Frequency**
	Theory subject with assignments	CIA	Assignments	Every Class
			Tutorials	Twice in a semester
			Presentations	Twice in a semester
			Market Survey/ Site Study/ Documentation	Once in a semester
		ESE	Sessional Marking	
	Theory subject	CIA	None	
		ESE	Written Examination – In-Sem	
			Written Examination – End-Sem	
	Internship/ Professional Practice	ESE	Viva- Voce	Once in the entire Programme
	Final Project	CIA	Stage wise Reviews	Every 2 weeks – Minimum 8
		ESE	Viva- Voce	Once in the entire Programme

CO – PO Assessment Tools

S. No.	Students Name	Studio Subjects - Design Project and/ or Assignment BD/AD/ LA/ WD/ BCM/ ABCS/						Studio Subjects - Case Study Design Studios/ LA/ WD/ BCM/ ABCS/				Theory Subjects - Journals- BS/ HOAC/ SW-QS				Presentation/ sEMINAR			
		Regularity in Discussion with faculty	Demonstration of Knowledge	Interaction and Participation	Ability to integrate	Originality of Idea/ Ideation	Out of Box Thinking	Pro-activity on SIte	Interaction and Participation on SIte	Analysis based on aspects studied	Representation	Demonstration of Knowledge	Content and Creation	Format and Spelling	References	Coherence and Continuity	Creativity	Speaking	Keeping the Stipulated time

CONTINUOUS ASSESSMENT RUBRICS SHEET

CO – PO Assessment Rubrics

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CO – PO ATTAINMENT PROPOSED METHODOLOGY

CO Attainment - Course Level

Direct Method of CO Assessment (Mark Based) Weightage: 80%

Rubrics for Attainment of COs through CIA & ESE

Attainment Level - 1:

50 % students scoring more than (50% for UG) and (50% for PG) marks out of the relevant maximum marks is considered to be attainment of "1"

Attainment Level - 2:

60 % students scoring more than (40% for UG) and (50% for PG) marks out of the relevant maximum marks is considered to be attainment of "2"

Attainment Level - 3:

70 % students scoring more than (40% for UG) and (50% for PG) marks out of the relevant maximum marks is considered to be attainment of "3"

S. No	Register No	Name	Course	Course Code 1			Course Code 2			Course Code 3		
			COs	CO1 – CO5								
			Target	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**
			Marks	Int	Ext	Total	Int	Ext	Total	Int	Ext	Total
1												
2												
.												
60												
Attainment Calculation (Direct Method)												
No. of students registered for the				60		60	60		60	60		60
No. of students attended				60		60	60		60	60		60
No. of student got >= 40%				45		52	48		50	40		39
% of student got>=40%				75%		87%	80%		83%	67%		65%
CO Attainment in CIA & ESE				3		3	3		3	2		2
weightage				**25**		**75**	**25**		**75**	**25**		**75**
CO attainment as weightage				0.75		2.25	0.75		2.25	0.5		1.5
CO Attainment for the course				**3**			**3**			**2**		

TABLE ABOVE shows sample process of computing CO attainment in Direct Method for the CIA & ESE

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Indirect Method of CO Assessment: (Survey Based) - Weightage: 20%)

Rubrics for Attainment of COs through Course End Survey

Attainment Level - 1:

50% students giving more than 3 is considered to be attainment of "1"

Attainment Level - 2:

60% students giving more than 3 is considered to be attainment of "2"

Attainment Level - 3:

70% students giving more than 3 is considered to be attainment of "3"

S. No	Course Code	Course Name	CO Average from Course Exit Survey	CO Target	CO Attainment through course end survey
1			81	3	3
2			72	3	2
3			76	3	2
4			80	3	3

Above Table shows sample process of computing CO attainment in Indirect Method

S. No	Course Code	Course Name	CO Attained through Direct Assessment (From Table1)	CO Attained through Indirect Method (From Table2)	Direct Assessment (80%)	Indirect Assessment (20%)	Overall CO Attainment	Whether CO Attained / Not attained = overall
1			3	3	2.4	0.6	3	Attained
2			3	2	2.4	0.4	2.8	Attained
3			2	2	1.6	0.4	2.0	Attained
4			2	3	1.6	0.6	2.2	Attained

Above Table shows sample process of computing CO attainment (Direct Assessment 80% + Indirect Assessment 20%)

CO – PO ATTAINMENT PROPOSED

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