



Estd. 2009

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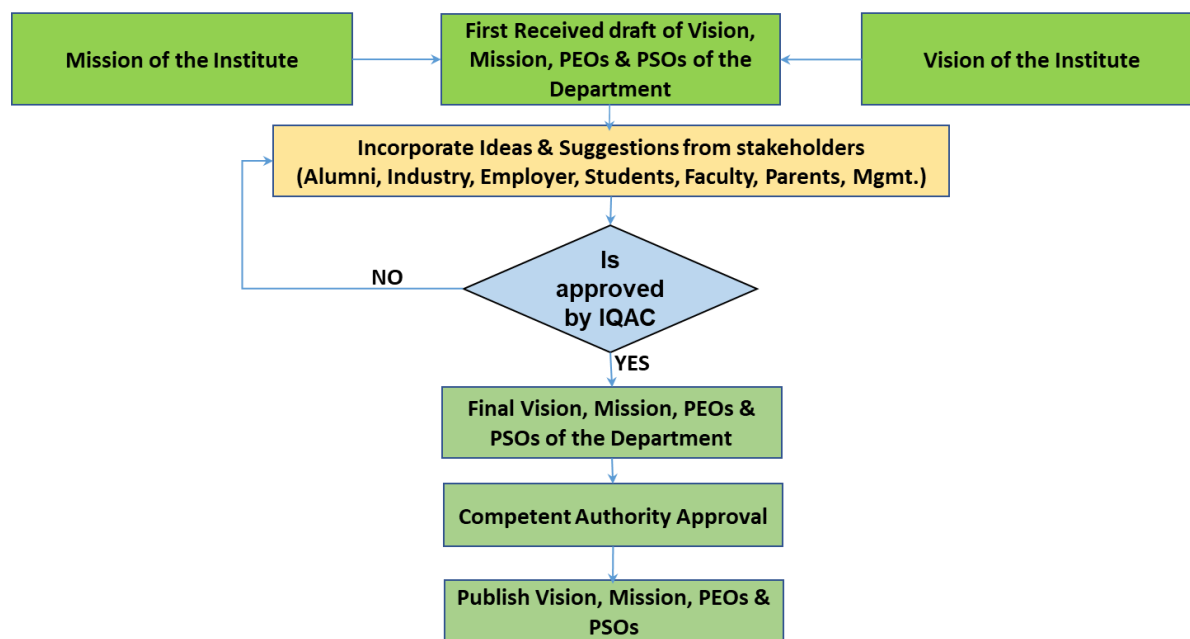
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2.6.2: Attainment of POs and COs are evaluated



Process for defining the Vision, Mission, PEOs & PSOs

Firstly draft document of the Mission, PEOs and PSOs are received from all the departments. New ideas, suggestions are incorporated from all stakeholders, management, Alumni, Employer, Students, Faculty and Parents. After preparing the draft if it is accepted it is approved by IQAC. Then Final Vision, Mission, PECs and PSOs are finalized by the IQAC and approved by HEI. Then mission, PEOs, PSOs are made public.



Flowchart for the process of CO - Attainment

Firstly, the COs are framed and benchmarks are set for mapping of CO- PO and PSOs. CO-PO attainment is done by selecting three levels of PO attainment.

Level 1- if 50% students achieve 50-60% marks

Level 2- if 50% students achieve 60-70% marks

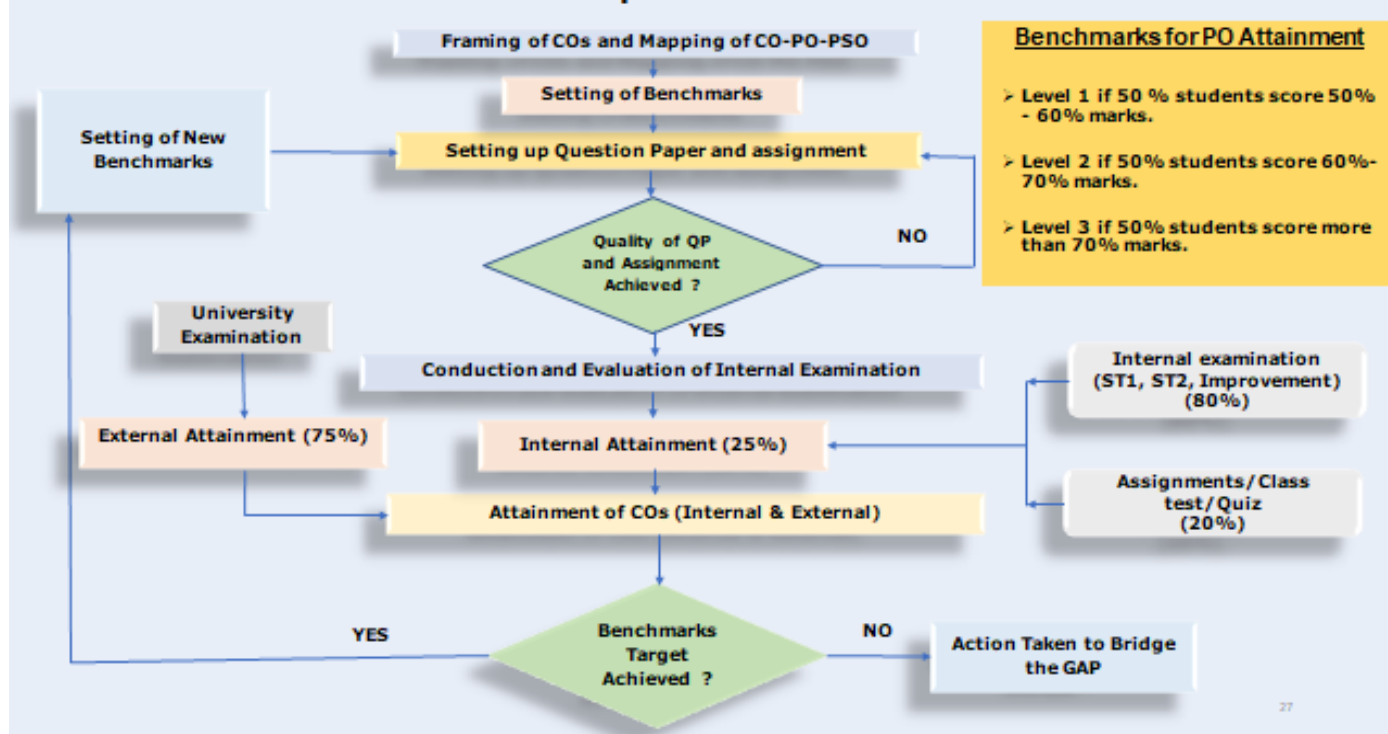
Level 3- if 50% students achieve above 70% marks

Attainment of COs is done through marks obtained in internal and external examination with 75% for external examination attainment and 25% for internal examination attainment.





Flowchart for the process of CO - Attainment



Description for PO - Attainment

Direct attainment and indirect attainments are achieved through different examination and evaluation parameters. The university examination and internal examination comprising of MST-I, MST-II and Improvement sessional along with assignments, class test and quiz, helps to achieve direct attainment which is 80% of the total marks. The indirect attainment is achieved through course feedback taken through students, exit surveys, alumni feedback, parent's feedback, employer feedback to achieve 20% of the total marks. After calculating the POs and PSOs attainment, if the target is achieved, then new target is set for the next year. If failed to achieve the target then reasons are identified to non-attainment of POs and gap analysis is done.





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Sample Course Outcome with mapping

Below is the sample course outcomes and its mapping and attainment with POs of one of the subject.

Course Outcome (COs) -----Human Anatomy and Physiology Theory (BP101T)														
After successful completion of the course the students will be able to:														
CO-1	Understand Cellular Level of Organization, Classification of tissues and skeletal system													
CO-2	Understand homeostatic mechanisms and illustrated structures/functions of integumentary system.													
CO-3	Apply the basic to advanced knowledge of human anatomical structures/gross anatomy of various organs to identify various disorders.													
CO-4	Analyze the body fluids, blood functions and various diseases associated with it along with its signs and symptoms													
CO-5	Analyze the physiology of various systems of the body and different diseases associated with them													
CO & PO Mapping (Three Level : 3-Strongly Related , 2-Moderate, 1-Slightly)														
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PSO1	PSO2	PSO3
CO 1	3.00	1.00	1.00	2.00	1.00	1.00		1.00	1.00	1.00	1.00	3.00		
CO 2	3.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	2.00		
CO 3	3.00	1.00	1.00	2.00	1.00	1.00		1.00	1.00	1.00	1.00	3.00		
CO 4	3.00	1.00	1.00	2.00	1.00	1.00		1.00	1.00	1.00	1.00	3.00		
CO 5	3.00	1.00	1.00	2.00	1.00	1.00		1.00	1.00	1.00	1.00	3.00		
Average	3.00	1.00	1.00	1.80	1.00	1.00		1.00	1.00	1.00	1.00	2.80		

Methodology for COs Attainment: The Process of Calculating Overall CO attainment and its percentage.

	Sessional I	Sessional II	Average	Target													
				PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO 1	PSO 2	PSO 3
CO-1	0.87		0.90	3.0	1.0	1.0	2.0	1.0	1.0		1.0	1.0	1.0	1.0	3.0		
CO-2	0.92		0.86	3.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0	2.0		
CO-3		0.79	0.93	3.0	1.0	1.0	2.0	1.0	1.0		1.0	1.0	1.0	1.0	3.0		
CO-4		1.00	0.88	3.0	1.0	1.0	2.0	1.0	1.0		1.0	1.0	1.0	1.0	3.0		
CO-5	0.82	0.95	0.87	3.0	1.0	1.0	2.0	1.0	1.0		1.0	1.0	1.0	1.0	3.0		
Avg				3.00	1.00	1.00	1.80	1.00	1.00		1.00	1.00	1.00	1.00	2.80		
				Achieved													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO 1	PSO 2	PSO 3			
CO-1	3.00	1.00	1.00	2.00	1.00	1.00		1.00	1.00	1.00	1.00	3.00					
CO-2	3.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	2.00					
CO-3	3.00	1.00	1.00	2.00	1.00	1.00		1.00	1.00	1.00	1.00	3.00					
CO-4	3.00	1.00	1.00	2.00	1.00	1.00		1.00	1.00	1.00	1.00	3.00					
CO-5	3.00	1.00	1.00	2.00	1.00	1.00		1.00	1.00	1.00	1.00	3.00					
Avg	3.00	1.00	1.00	1.80	1.00	1.00		1.00	1.00	1.00	1.00	2.80					
Average Sessional Attainment			0.89														
Average Quiz/CT/ Assignment Attainment			0.96														
Average Attainment Values (80:20)			0.91														
Internal Attainment Values			3														
University Attainment Values			3														
Overall Direct CO Attainment			3														
Overall CO Attainment			3.00														
Overall CO Attainment %			100.0														





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Attainment Detail

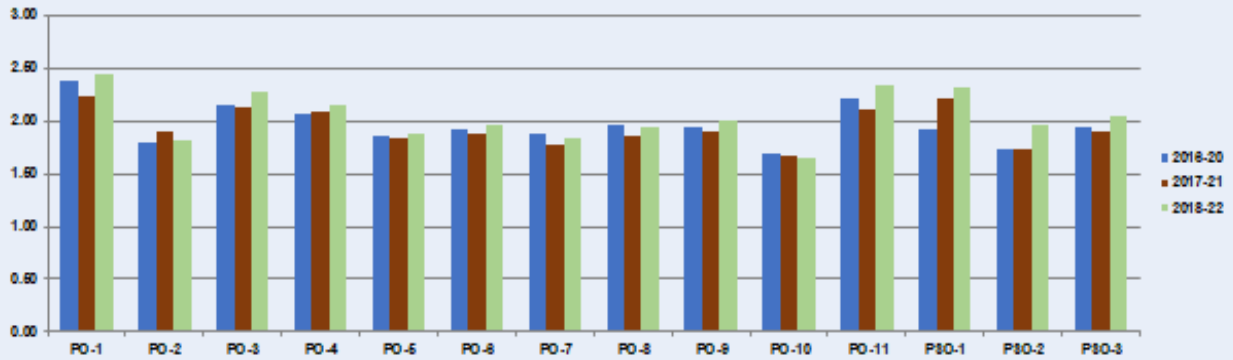
PO & PSO →		PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PSO-1	PSO-2	PSO-3
		2016-2020	Target Attainment	2.64	1.87	2.40	2.30	2.02	2.04	2.06	2.08	2.06	1.73	2.44	2.07
	Overall Target	2.71	2.10	2.52	2.44	2.21	2.23	2.25	2.27	2.25	1.99	2.55	2.26	2.10	2.30
	Direct Attainment (80%)	2.33	1.60	2.04	1.94	1.67	1.74	1.71	1.82	1.76	1.48	2.11	1.75	1.52	1.77
	Indirect Attainment (20%)	2.61	2.61	2.63	2.63	2.57	2.61	2.60	2.59	2.63	2.57	2.61	2.60	2.60	2.59
	Achieved Attainment	2.39	1.80	2.16	2.08	1.85	1.92	1.89	1.97	1.94	1.70	2.21	1.92	1.74	1.93
	Percent Achieved (%)	87.87	85.96	85.61	85.20	83.75	85.76	83.88	86.90	86.25	85.56	86.38	85.10	82.50	84.18
2017-2021	Target Attainment	2.60	2.00	2.44	2.30	2.05	2.14	1.95	2.08	2.18	1.77	2.46	2.40	1.97	2.11
	Overall Target	2.68	2.20	2.55	2.44	2.24	2.31	2.16	2.27	2.34	2.02	2.57	2.52	2.17	2.29
	Direct Attainment (80%)	2.14	1.70	2.01	1.94	1.66	1.68	1.55	1.68	1.70	1.44	1.97	2.12	1.51	1.73
	Indirect Attainment (20%)	2.64	2.67	2.62	2.71	2.56	2.70	2.65	2.58	2.64	2.66	2.62	2.63	2.65	2.63
	Achieved Attainment	2.24	1.90	2.13	2.09	1.84	1.88	1.77	1.86	1.89	1.68	2.10	2.22	1.74	1.91
	Percent Achieved (%)	83.73	86.34	83.44	85.77	82.10	81.55	81.82	82.09	80.68	83.34	81.71	88.09	79.86	83.25
2018-2022	Target Attainment	2.49	1.85	2.30	2.20	1.91	1.98	1.82	1.94	2.02	1.59	2.39	2.37	2.00	2.09
	Overall Target	2.60	2.08	2.44	2.36	2.13	2.18	2.06	2.15	2.21	1.87	2.52	2.49	2.20	2.27
	Direct Attainment (80%)	2.40	1.74	2.23	2.10	1.80	1.90	1.76	1.86	1.93	1.54	2.31	2.28	1.88	1.99
	Indirect Attainment (20%)	2.60	2.59	2.62	2.61	2.56	2.59	2.59	2.57	2.62	2.56	2.59	2.59	2.58	2.57
	Achieved Attainment	2.44	1.82	2.27	2.15	1.87	1.97	1.84	1.93	2.00	1.65	2.34	2.31	1.95	2.05
	Percent Achieved (%)	94.12	87.63	92.92	90.97	88.10	90.27	89.38	89.69	90.44	87.96	92.97	92.61	88.83	90.31





PO's & PSO's Attainments of last 3 Batches

Overall PO Attainment



Comparison of Average Percentage Attainment for last 3 batches



Batch	Attained value	Status	Remark
2016-20	85.41%	Achieved	All POs Achieved
2017-21	83.17%	Achieved	All POs Achieved
2018-22	90.60%	Achieved	All POs Achieved

