

Supporting Documents for Qualitative Metric 2.6.2



Submitted to NAAC

By

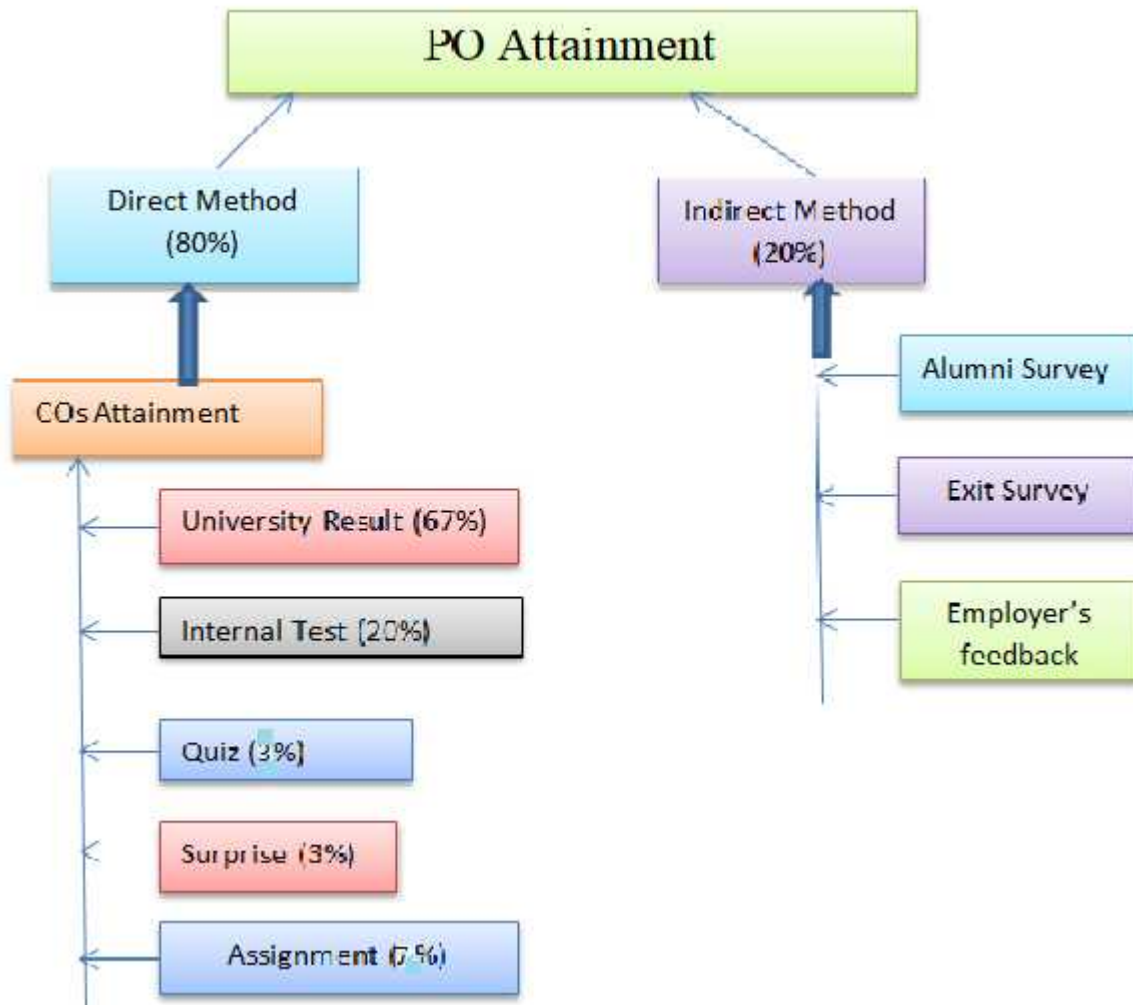
**Gandhi Institute For Technology (GIFT),
Bhubaneswar**



Gandhi Institute for Technology (GIFT) Bhubaneswar

2.6.2. Attainment of programme outcomes and course outcomes are evaluated by the institution.

Attainment of POs & Cos are calculated by the institutions



Evaluation of attainment of PO's and PSO's is based on direct and indirect assessment tools. Direct assessment of PO's and PSO's is based on students' performance in internal assessments and University exams. Indirect assessment is based on exit survey of the particular outgoing batch of students. The attainment of PO's and PSO's is evaluated for every batch of students completing the program.

$$\text{PO/PSO Attainment (\%)} = (\text{weightage: 80\%}) \times (\text{Average CO attainment in direct method}) + (\text{weightage: 20\%}) \times (\text{Average CO attainment in indirect method})$$

Attainment of Cos

COs for each course of the program from first year to fourth year is written by the respective faculty member. A correlation is established between CO's, PO's and PSO's in a scale of 1 to 3,

- 1 Being the slight (low),
- 2 Being moderate (medium) and
- 3 Being substantial (high).

A mapping matrix is prepared in this regard for every course in the program including the elective courses offered. The CO attainment levels can be measured based on the results of the internal assessment and external examination conducted by the university. This is a form of direct measurement of attainment. As per the university norms two

Internal assessment tests, two quiz tests, two surprise tests and two assignment tests are conducted for each course in a semester. In each test, the percentage of students who achieve a set target for the COs is computed. After the two tests, the average of these percentages is computed to decide the attainment level.

Average CO Attainment of individual Course

- The CO attainment level for each subject is fixed by considering a set value higher than the average performance at the university level.
- The Set Value for internal, quiz and surprise is consider as 60% while for assignment the set value is 70%.

- Percentage of student securing equal or more than the set value is determined.
- Percentage of student attainment of the set value is converted to attainment level of individuals with a correlation level (X) as follows: X=1 for a range of 60% to 70%; X=2 if the range is more than 70% and less than 80% and X=3 if the range is more than 80%.
- Average attainment of individual level of quiz, surprise and assignment is calculated.
- Attainment of individual CO is calculated by considering the *weightage as 67% weightage to University examination+ 20% weightage to internal tests + 3% Quiz +3% surprise test + 7% Assignment.*
- Average CO attainment of a course is calculated.

Attainment for particular Program Outcome/Program Specific Outcome is calculated by taking weighted average of all course outcome attainment addressing that particular PO & PSO. Similar calculation is repeated for all the POs & PSOs and for every course. The POs/PSOs attainment for a batch of students is computed by taking average of PO attainments/PSO attainments of all the courses.

Indirect assessment is based on exit survey of the particular outgoing batch of students.

C203-Fluid Mechanics & Hydraulics Machines

			CT, Quiz, Surprise and Assignment -I												CT, Quiz, Surprise and Assignment -II												BPJT RESULT																				
			C203.1				C203.2				C203.3				C203.4				C203.5				C203.6																								
			CT-1		QUIZ-1		SURPRISE-1		ASSIGNMENT-1		CT-1		QUIZ-1		SURPRISE-1		ASSIGNMENT-1		CT-2		QUIZ-2		SURPRISE-2		ASSIGNMENT-2			CT-2		QUIZ-2		SURPRISE-2		ASSIGNMENT-2													
S · N · O	Re · g · d · No ·	Name of the Student	Q1	Q2	Q1	Q2	Q3	Q1	Q1	Q1	Q3	Q4	Q5	Q6	Q2	Q2	Q1	Q4	Q7	Q8	Q9	Q3	Q3	Q1	Q2	Q1		Q2	Q3	Q1	Q1	Q1	Q3	Q4	Q5	Q6	Q2	Q2	Q1	Q4	Q7	Q8	Q9	Q3	Q3		
			1	1601298175	abhijeetkumar singh	4	2	1	1	1	2	5	4	5	1	1	1	2	4	4	4	1	1	1	2	3	4	4	4	0	0	1	2	3	4	4	4	0	1	1	2	3	4	4	1	1	1
2	1601298176	ABHILASH JENA	4	4	1	1	1	2	3	4	4	1	1	1	2	5	4	5	1	0	0	2	4	4	4	1	1	0	2	5	4	4	4	1	1	1	2	4	4	4	6	1	0	1	1	4	E
3	1601298179	Bibhu Prasad Nanda	2	4	0	1	1	2	4	4	4	0	1	1	2	4	4	4	1	0	1	2	3	4	4	1	1	1	2	5	4	4	4	1	1	1	2	4	4	4	5	1	0	1	2	4	B
4	1601298180	Chandan Pradhan	4	4	1	1	1	2	3	4	3	0	0	1	2	4	2	4	0	1	1	2	4	2	4	1	1	1	1	4	4	4	1	1	1	2	3	2	6	1	1	1	2	3	E		
5	16	DEEPA	4	4	1	1	1	2	4	4	4	1	1	0	2	4	4	4	1	1	1	2	4	4	4	1	1	1	2	5	4	6	1	0	1	2	5	4	4	4	0	1	1	2	5	C	

1 2	16 01 29 81 92	Subham Mishra	4	4	1	1	1	2	5	4	6	1	1	0	2	4	4	4	1	1	1	1	4	4	4	1	1	1	1	4	4	4	1	0	0	2	4	4	6	1	1	1	2	4	E							
1 3	16 01 29 81 94	ABHIS EKA SAHO O	4	4	1	0	1	1	5	4	5	1	1	1	2	4	4	4	1	1	1	2	3	4	3	1	1	1	2	3	4	4	1	0	1	2	5	2	4	1	1	1	2	3	B							
1 4	16 01 29 81 95	Abhisekh Panda	4	4	1	1	0	2	4	4	4	1	1	1	2	5	4	5	1	0	0	2	4	2	4	1	1	1	2	4	4	4	0	1	1	2	4	4	6	1	0	1	2	5	A							
1 5	16 01 29 81 96	Abinash Mohapatra	2	6	1	1	1	2	5	4	4	0	1	1	2	4	4	4	1	0	1	2	3	4	4	0	1	1	2	3	4	4	1	1	1	2	4	4	5	1	0	1	2	5	A							
1 6	16 01 29 81 99	ANKIT A PATTNAIK	2	4	0	1	1	2	4	4	3	0	0	1	2	4	2	4	0	1	1	2	4	4	4	1	1	1	2	4	4	4	1	1	1	2	4	4	4	1	1	1	2	4	2	6	1	1	0	2	5	E
1 7	16 01 29 82 00	ASHUTOSH KANUNGO	4	6	1	1	1	2	3	4	4	0	0	1	1	5	4	4	1	1	1	2	4	4	6	0	1	1	2	5	2	4	0	1	1	1	4	2	4	1	0	1	1	1	5	A						
1 8	16 01 29 82	Bhuvan kumarsah	4	3	0	0	1	2	4	4	6	1	0	1	1	4	4	4	0	1	1	2	5	4	5	0	0	1	2	5	4	6	1	1	1	2	5	4	6	1	1	1	2	3	C							

46	1601298246	TANMAYA SENAPATI	4	4	1	1	1	2	4	4	4	1	1	0	2	4	4	4	1	1	1	2	4	4	4	1	1	1	2	5	4	6	1	0	1	2	5	4	4	0	1	1	2	5	E	
47	1601298247	Trijib Mishra	4	4	1	1	1	2	5	4	4	1	1	1	2	4	4	6	1	1	1	2	3	4	6	0	1	1	2	4	4	4	1	1	1	2	5	4	6	0	1	1	2	5	E	
48	1601298248	UTKAL PARIDA	4	4	1	1	1	2	5	4	4	1	1	1	2	1	4	5	1	1	1	2	5	4	5	1	1	1	2	4	4	4	1	1	1	2	5	2	5	1	1	0	2	5	E	
49	1601298249	YAJNA DUTT BISWAL	4	2	1	1	1	2	4	4	4	1	1	1	2	3	4	4	1	0	1	2	5	4	4	1	1	1	2	5	4	3	1	1	1	2	4	4	4	1	1	1	2	5	A	
50	1601298250	Ajay Malik	4	6	1	1	1	2	3	4	4	0	0	1	1	5	4	4	1	1	1	2	4	4	6	0	1	1	2	5	2	4	0	1	1	1	1	4	2	4	1	0	1	1	5	A
51	1601298251	Akash Patra	4	3	0	0	1	2	4	4	6	1	0	1	1	4	4	4	0	1	1	2	5	4	5	0	0	1	2	5	4	6	1	1	1	2	5	4	6	1	1	1	2	3	A	
52	16012982	sangampatt naik	4	4	0	1	1	2	5	4	4	1	1	0	2	5	4	4	0	1	1	2	4	4	4	1	1	0	2	4	4	5	1	1	1	2	4	2	6	1	1	1	1	4	E	

800	16 01 29 84 04	Izhar Ahma d	2	6	1	1	1	2	5	4	6	1	1	0	2	4	4	4	1	1	1	1	4	4	3	1	1	1	2	5	4	4	0	1	1	2	4	4	6	1	1	1	2	5	A
81	16 01 29 84 05	KHURS HID ALAM	2	4	0	1	1	2	4	4	5	1	1	1	2	4	4	4	1	1	1	2	3	4	3	0	1	1	2	4	4	5	1	1	1	2	4	4	4	1	1	0	2	5	B
82	16 01 29 84 06	KIRAN KUMA R PAKAL	4	4	1	1	1	2	3	4	4	1	1	1	2	5	4	5	1	0	0	2	4	2	4	0	0	1	2	5	4	4	1	1	0	2	4	4	6	0	1	0	2	5	D
83	16 01 29 84 07	MANIS H KUMA R SINGH	4	4	1	1	1	2	4	4	4	0	1	1	2	4	4	4	1	0	1	2	3	4	4	1	1	0	2	4	4	4	0	1	1	2	4	4	5	0	1	1	2	4	E
84	16 01 29 84 09	MANO RANJA N RAY	4	6	1	1	1	2	3	4	3	0	0	1	2	4	2	4	0	1	1	2	4	4	3	1	1	1	2	4	4	6	1	1	0	2	1	2	6	1	0	1	1	5	C
85	16 01 29 84 14	POOJA HARPA L	4	3	0	0	1	2	4	4	4	1	1	0	2	4	4	4	1	1	1	2	4	4	4	1	1	1	2	3	4	5	0	1	1	2	3	4	4	1	1	1	1	5	A
86	16 01 29 84	Rajesh Choud hury	4	4	0	1	1	2	5	4	4	1	1	1	2	4	4	6	1	1	1	2	3	4	4	1	1	1	2	4	4	4	0	1	1	1	4	4	6	1	1	1	1	5	E

1 1 4	17 21 29 80 15	Chittar anjan Rout	4	4	1	1	1	2	5	4	4	1	1	1	1	5	4	5	1	0	0	2	4	4	4	1	1	1	2	5	4	4	1	0	1	2	4	4	6	1	1	1	2	3	A
1 1 5	17 21 29 80 17	SANDE EP JENA	4	4	1	0	1	1	5	4	4	0	1	1	2	4	4	4	1	0	1	2	3	4	5	0	1	1	2	5	4	5	1	1	1	2	3	4	4	1	1	0	2	4	E
1 1 6	17 21 29 80 19	ABHIS EK JENA	4	4	1	1	1	2	4	4	6	1	0	1	1	4	4	4	0	1	1	2	5	2	3	0	1	1	2	4	4	4	0	1	1	1	5	4	5	1	1	0	2	4	A
1 1 7	17 21 29 80 20	GAGA N MUND A	4	6	1	1	1	2	3	4	4	1	1	0	2	5	4	4	0	1	1	2	4	4	4	1	1	1	2	4	4	4	1	1	1	1	5	4	4	1	1	0	2	5	A
1 1 8	17 21 29 80 26	Sande epMo hanty	4	3	0	0	1	2	4	4	6	1	1	0	1	4	4	4	1	1	1	1	4	4	3	1	0	1	2	4	4	4	1	1	1	2	3	4	6	0	1	1	2	4	C
1 1 9	17 21 29 80 45	ANJEE V KUMA R SOREN	4	4	0	1	1	2	5	4	5	1	1	1	2	4	4	4	1	1	1	2	3	2	3	1	1	0	2	3	4	4	1	0	0	1	4	4	4	0	1	1	2	4	E
1 2 0	17 21 29 80	Binod Kumar Jena	4	4	1	1	1	2	5	4	4	0	0	1	1	5	4	6	0	1	0	2	3	2	6	1	1	1	2	4	4	4	1	1	1	2	5	4	5	0	1	1	2	3	A

	47																																																
1	17	DEBASH HISH KARUA	4	4	1	1	1	2	5	4	4	1	1	1	1	5	4	5	0	1	1	2	5	2	5	1	1	1	2	3	4	4	1	1	1	1	4	2	6	0	1	1	1	4	A				
2	21																																																
2	29																																																
1	80																																																
1	48																																																
1	17	Deepa k Kumar Vishw akarm a	4	4	1	1	1	1	4	4	4	1	1	0	0	4	2	3	1	1	1	2	5	4	4	1	0	1	2	5	4	3	1	1	1	2	5	4	4	1	1	0	2	4	A				
2	21																																																
2	29																																																
2	80																																																
2	49																																																
1	17	JAYAD EV MALLI CK	4	6	1	1	0	2	5	4	6	1	1	1	1	4	4	4	1	1	1	2	4	4	4	1	1	0	2	5	4	4	1	1	1	2	4	4	6	1	1	1	2	3	A				
2	21																																																
2	29																																																
3	80																																																
3	50																																																
1	17	JYOTI PRAKA SH NAYAK	2	5	1	0	0	2	4	2	5	1	1	1	2	5	4	6	1	1	1	2	4	4	6	1	1	0	2	5	4	4	1	1	0	2	4	4	5	1	1	1	2	5	E				
2	21																																																
2	29																																																
4	80																																																
4	51																																																
1	17	SATYA PRIYA SAHU	2	4	1	0	1	2	4	4	4	1	1	1	2	5	4	4	1	1	1	2	4	4	4	1	1	1	2	5	4	4	1	1	1	2	5	4	4	1	1	1	2	5	A				
2	21																																																
2	29																																																
5	80																																																
5	53																																																
1	17	SOUM YA RANJA N KAR	4	4	1	0	1	2	5	4	4	0	1	1	2	4	4	4	1	0	1	2	3	4	5	0	1	1	2	5	4	5	1	1	1	2	3	4	4	1	1	0	2	4	E				
2	21																																																
2	29																																																
6	80																																																
6	54																																																
1	17	SUPRIY A DAS	4	4	1	1	1	2	5	4	3	0	0	1	1	4	2	4	0	1	1	2	4	2	4	0	0	1	2	5	4	4	1	1	0	2	5	4	6	0	1	0	2	3	B				
2	21																																																
2	29																																																
7	80																																																
7	29																																																

CO,MAPPING =1,PO=70% OF CO)														
ROUND VALUE	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
PSO	PSO1	PSO2	PSO3											
MAPPING	3.00	3.00	3.00											
CO -PSO ATTAINMENT (MAPPING =3,PSO=100% OF CO,MAPPING =2,PSO=80% OF CO,MAPPING =1,PSO=70% OF CO)	2.99	2.99	2.99											
ROUND VALUE	3.00	3.00	3.00											