

## Rubrics Process

**Step 1: Define PEOs(Program Educational Objectives) : 3 to 5**

**Step 2 : Prepare POs ( Program Outcomes - Same for all Engineering Branches ) :12 as per NBA guidelines**

**Step 3: Prepare PSOs (Program Specific Outcomes - Branch Specific): 3**

**Step4 : Prepare Course Outcomes ( Subjectwise) : 6**

**Step 5: COs of a Particular subject has to be covered as**

1. First MST has to cover first 3 COs and 2<sup>nd</sup> MST has to cover rest of 3 COs
2. 1<sup>st</sup> Assignment has to cover COs 1, 2 and 3
3. 2<sup>nd</sup> Assignment has to cover COs 4, 5 and 6

**Each CO must be covered twice atleast (Sessional/assignment ) in a semester comprising all Assignment and sessional Tests.**

**Step 6: Create CO and PO/PSO mapping**

S.No.	Course Outcomes ( CO )	POs	PSOs
CO1		1,2,3,5,9,12	1,2,3
CO2		1,2,5,10,12	1,2,3
CO3		2,3,5,7,11,12	1,2,3
CO4		1,2,3,4,5,9,11,12	1,2,3
CO5		3,4,5,9	1,2,3
CO6		2,3,4,5,9,10,12	1,2,3

### COs and POs/PSOs Matrix

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
CO1															
CO2															
CO3															
CO4															
CO5															
CO6															
AV G															

1: LOW

2: MODERATE

3: HIGH

Mid Semester Test 1 CO Attainment Evaluation (Sample copy)

Univ Roll No.	Student Name	CO 1	CO 1	CO 2	CO 2	CO 3	CO 3	CO 1	CO 2	CO 3	CO 1	CO 2	CO 3
		Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9			
121121	Anil kumar	1	2	1	1	3	2	2	4	4	50	50	62.5
121122	Sunny	2	2	1	2	3	3	3	4	3	100	80	75
121124	Sukhraj	2	1	2	1	4	3	4	4	3	100	70	88
											83.3	66.6	75.1

**Overall COs attainment : 74.98%**

**\*Note : Above similar table is required for MST2, Assignment1, Assignment2**

**Overall COs Attainment (%age)**

CO Attainment	CO 1	CO 2	CO 3	CO 4	CO 5	CO 6
MST1	83.3	66.6	75.1			
MST2						
Assignment1						
Assignment2						
<b>Overall COs Attainment (%age)</b>	83.3	66.6	75.1	83.3	86.6	66.6

**IF COs Attainment is less, Then 60% Level of Attainment=1**

**IF COs Attainment is > 60 % and < 80% Then Level of Attainment=2**

**IF COs Attainment is >80 %, Then Level of Attainment=3**

**Overall COs Attainment (Level)**

Course Outcomes	Level of Attainment
CO1	3
CO2	2
CO3	2
CO4	3
CO5	3
CO6	2
AVG	2.5

**POs/PSOs Attainment**

POs	COs	Mapping Strength	PO/PSO Attainment (Rounded) Percentage
PO1	CO1,CO3,CO5	3	=3/3*(83.3+75.1+86.6)/3=81.6
PO2	CO3,CO5,CO6	2	=2/3*(75.1+86.6+66.6)/3=50.7
PO3	CO2,CO3,CO6	2	=2/3*(66.6+75.1+66.6)/3=45.82
PO4	CO5,CO6	2	=2/3*(86.6+66.6)/2=50.5
PO5	CO2,CO3,CO6	3	=3/3*(66.6+75.1+66.6)/3=69.4
PO9	CO6	1	=1/3*66.6=21.9
PO10	CO1	2	=2/3*83.3=54.9

PO11	CO1,CO4,CO6	2	$=2/3*(83.3+83.3+66.6)/3=51.3$
PO12	All the 6 COs	3	$=3/3*(83.3+66.6+75.1+83.3+86.6+66.6)/6=76.9$
PSO1	CO1,CO3,CO5	2	$=2/3*(83.3+75.1+86.6)/3=53.9$
PSO2	CO1,CO2,CO4,CO5,CO6	1	$=1/3*(83.3+66.6+83.3+86.6+66.6)/5=25.5$
PSO3	CO2,CO3,CO4,CO6	2	$=2/3*(66.6+75.1+83.3+66.6)/6=32.07$

IF POs/PSOs Attainment is less, Then 60% Level of Attainment=1

IF POs/PSOs Attainment is > 60 % and < 80% Then Level of Attainment=2

IF POs/PSOs Attainment is >80 %, Then Level of Attainment=3

PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
3	1	1	1	2				1	1	1	2	1	1	1

Sem	Subject code	P O1	P O2	P O3	P O4	P O5	P O6	P O7	P O8	P O9	PO 10	PO 11	PO 12	PS O 1	PS O 2	PS O 3
BTech CSE 3 <sup>rd</sup> Sem	ACC S121	3	1	1	1	2				1	1	1	2	1	1	1

**Final sheet To Be submitted by Head of the Department**

Co urse	Course Outcomes	Attainment Level Column A	PO1 Ccolumn B	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C3 01	C301.1	1.5	1	1	3	2	2	1	-	1	1	-	-	-	2	2	1
	C301.2	2.1	1	1	3	2	3	1	-	-	1	-	-	-	2	2	1
	C301.3	2.4	1	1	3	3	3	-	-	-	1	2	-	-	3	3	1
	C301.4	2.5	1	1	3	3	3	2	-	-	1	-	-	-	3	3	1
	C301.5	2.4	1	2	3	3	3	-	-	1	1	-	-	1	3	3	1
	C301.6	2.7	1	2	3	3	3	2	-	-	1	2	-	1	3	3	1
C3 02	C302.1	1.8	-	-	-	-	-	-	1	-	2	1	3	-	-	-	-
	C302.2	1.9	-	-	-	-	-	-	1	-	2	-	3	-	-	-	-
	C302.3	1.7	-	-	-	-	-	-	1	-	2	-	3	-	-	-	-
	C302.4	2.7	-	-	-	-	-	-	1	-	2	-	3	-	-	-	-
	C302.5	2.1	-	-	-	-	-	-	1	-	2	-	3	-	-	-	-
	C302.6	1.4	-	-	-	-	-	-	1	-	2	-	3	-	-	-	-
		Program Outcome Attainment	2.27	2.34	2.27	2.33	2.31	2.33	1.93	1.95	2.04	2.40	1.93	2.55	2.33	2.33	2.27