# POORNIMA
COLLEGE OF ENGINEERING

Approved by AICTE
Affiliated to Rajasthan Technical University, Kota
Recognized by UGC under Section 2(f) of the UGC Act, 1956

2.6.1.5 CO, PO, PSO Attainment Calculation (Sample)

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CO Attainment Process

```mermaid
graph TD
    A[Attainment of POs and PSOs] --> B[Direct 80% *Attainment with respect to COs]
    A --> C[Indirect 20%]
    C --> D[End Semester Survey 25%]
    C --> E[Program Exit Survey 25%]
    C --> F[Alumni Feedback 25%]
    C --> G[Employers Feedback 25%]
```
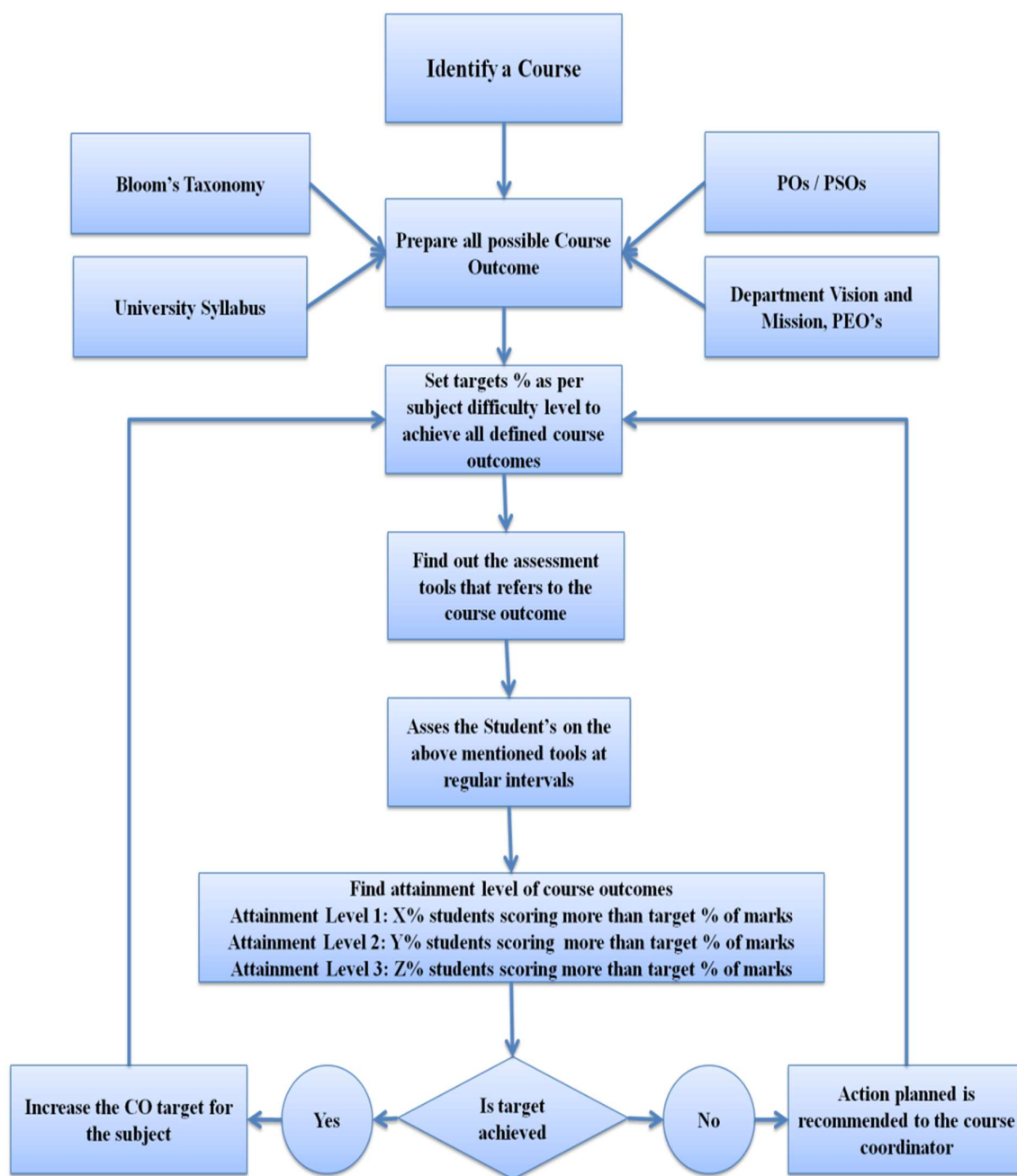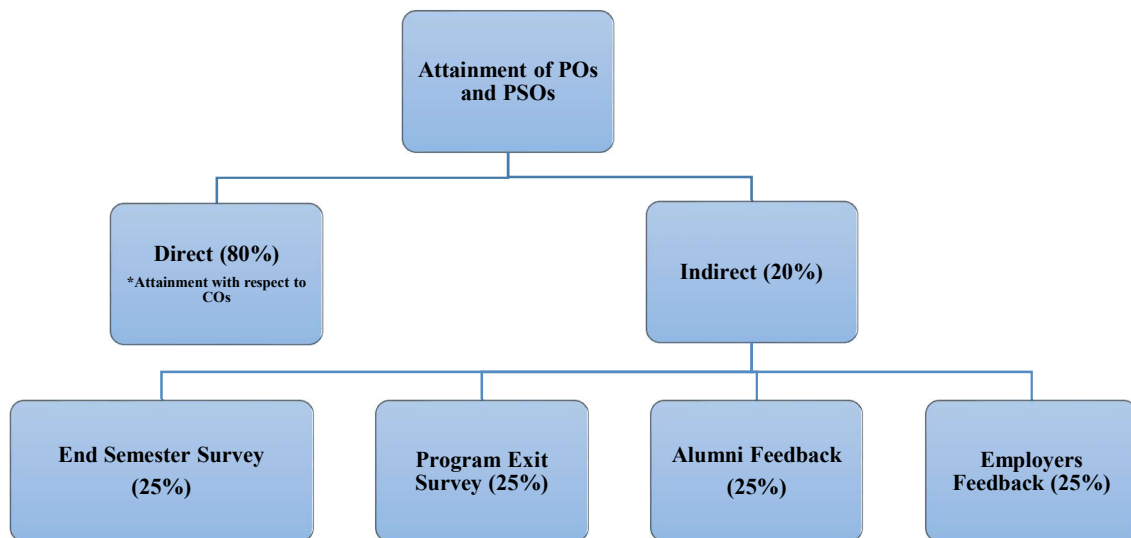
PO / PSO Attainment

Assessment Tools Used:

- I Mid Term
- II Mid Term
- Class Test
- OBT
- Quiz
- RTU
- End Semester Survey
- Program Exit Survey
- Alumni Feedback
- Employers Feedback

Fillup data in Light Grey Areas wherever required in the sheet including STudents names, Reg. No, Q 1 to 15 column marks, CO so as CO1, CO2 but not as 1,2 etc., CO-PO-PSO mappings
DO not add any column in questions, if there are questions a, b,c then fill CO wise marks and adjust in available column only.
You can delete rows not required out of students list.
Those who have not attempted / Absent/ Debarredshould be kept blank.

POORNIMA COLLEGE OF ENGINEERING, JAIPUR
Department of Electrical Engineering
NBA Process Implementation
CO Attainment Sheet Session 2023-24
Batch 2021-2025 Semester VI- Mid Term I

Name of Course	CA	Name of Faculty: Mr. Rachit Saxena (Section A)
Course Code	6EE3-01	Section A

CO-PO-PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	Target CO for PO	PSO1
CO1	3	-	-	-	-	-	-	-	-	-	-	-	3	-
CO2	3	-	-	-	-	-	-	-	-	-	-	-	3	-
CO3	3	2	-	-	-	-	-	-	-	-	-	-	2.5	-
CO4	-	-	1	-	-	-	-	-	-	-	-	-	1	-
CO5	-	-	-	-	-	-	-	-	-	-	-	-		
Target PO/PSO	3	2	1										2.375	

Student Marks

S.No	Roll No	Name of Students	University Roll No	Q.1	Q.2	Q.3	Q.4	Q.5	Q.6	Q.7	Q.8	Q.9	Q.10	Q.11	Q.12	Q.13	Q.14	Q.15	TOTAL
		Man. Marks:		2	2	2	2	2	5	5	5	5	5	5	10	10	10	10	60
				CO1	CO1	CO1	CO1	CO1	CO1	CO2	CO2	CO2	CO2	CO3	CO2	CO2	CO2	CO3	
1	21YEE01	AMAAN KHAN	21EPCEE001	2		2	2			4	4	4	3.5	3.5					25
2	21YEE02	ANUJ YADAV	21EPCEE002	2	2		2	2							3.5			3	55.5
3	21YEE03	ARPIT KUMAR GUPTA	21EPCEE003	2	2		2	2	4.5	4.5			5		3.5	3.5	3.5		57.5
4	21YEE04	ARYAN CHOUDHARY	21EPCEE004	2	2				5	5	5			5	8		6	2	40
5	21YEE05	DEBNIL MAHAPATRA	21EPCEE005	2	2	2	2		5					5	8		8	8	52
6	21YEE06	DEEPAK SHARMA	21EPCEE006	2		2	2	4	4	4							8	32
7	21YEE07	GAGANDEEP	21EPCEE007	2	2	2	2			5		5	10	6.5	3.5			54
8	21YEE08	HIMANSHU NAMA	21EPCEE008	2	2	2	2		5	5	5			3.5	10			5	54.5
9	21YEE09	KRITIKA CHAWALA	21EPCEE009	1	2	2	2		5	5		4	5	3.5	10			6	53.5
10	21YEE10	MD ASIF ALI	21EPCEE010					5	5	5			2					21
11	21YEE11	NARAIN KUMAR MEENA	21EPCEE011	A														
12	21YEE12	NIKHIL SHARMA	21EPCEE012	A														
13	21YEE13	PANKAJ BIJARNIYA	21EPCEE013	1.5	2	2	2	4.5	4.5			5	5	9.5	6	9		53
14	21YEE14	PRIYANSHU SHARMA	21EPCEE014	2	2	2	2				5	10	3.5	3.5				53
15	21YEE15	PUNEET SARASWAT	21EPCEE015	2	2	2	2		5	5	5		5					30
16	21YEE16	RAJKUMAR	21EPCEE016	1.5		1.5		1.5	3.5	4.5	3.5	4.5		2				24.5
17	21YEE17	RAJKUMAR BOCHALYA	21EPCEE017			2		5	5	5		5	4	4	3			41
18	21YEE18	RAM NARAYAN JAT	21EPCEE018	2	2	2	2		5	5	4	3		9	9		4	49
19	21YEE19	RAMCHU MEENA	21EPCEE019	2	2	2	2		5	5	5				9			39
20	21YEE20	RAVI SAINI	21EPCEE020	2	2	2			5	5		5	5		3			44
21	21YEE21	ROHIT KUMAR	21EPCEE021	2	2	2	2		5	5		5	10	8			8	54
22	21YEE22	SHER SINGH MEENA	21EPCEE022	2	2	2	2			5	4		5	3	6			41
23	21YEE23	SHUBHAM KUMAR YOGI	21EPCEE023	2		2		4	5			5	9				4	34
24	21YEE24	SHUBHAM VERMA	21EPCEE024			2	2		4.5	4.5		2			2		4	23
25	21YEE25	VINAY SHARMA	21EPCEE025		2	2	2	2			5	5	5	10				36
26	21YEE26	YATENDER YADAV	21EPCEE026	2	2	2	2		5	10	6		4				4	48
27	21YEE27	PEERZADA ABDUL HADIE SHAH	PCE22EE702			2		2	5	4	5		3	10		4	6	41

CO Attainment (by CO)

CO1 (30)	Attempted Total	%	level	CO2 (40)	Attempted Total	%	Level	CO3 (10)	Attempted Total	%	Level	CO4 (0)	Attempted Total	%	Level
10	11	91	3	15	20	75	3								
27.5	28	98	3	19	20	95	3								
22	24	92	3	16	20	80	3	2	10	20	1				
27	30	90	3	17	20	85	3	8	10	80	3				
16	18	89	3	8	10	80	3	8	10	80	3				
23.5	25	94	3	25.5	35	84	3								
23.5	25	94	3	24	25	96	3	6	10	60	3				
16	24	67	3	5	5	100	3								
23.5	25	94	3	29.5	35	84	3								
30	30	100	3	23	30	97	3								
15	15	100	3	15	15	100	3								
13	23	57	2	11.5	15	77	3								
24	24	75	3	23	30	77	3								
23	25	92	3	22	25	88	3	4	10	40	2				
29	30	97	3	10	10	100	3								
20	21	95	3	24	25	96	3								
28	28	100	3	18	20	90	3	8	10	80	3				
13	13	100	3	28	35	80	3								
28	30	100	3	15	15	100	3								
10.5	11	95	3	8.5	20	43	2	4	10	40	2				
13	13	100	3	25	25	100	3								
28	28	100	3	20	30	67	3								
24	24	100	3	11	20	55	2	6	10	60	3				

Instructions

1. Please check all field information and fill up correctly
2. You are required to fill relevant data of student name, registration no. with reference to specific section, their marks as per sheet available with you. (Only Grey color fields need to be replaced with course specific data including mapping with PO/PSO)
3. DO not add or delete any column
4. You can delete rows only those which are beyond your section student list.
5. After copying and pasting data in B-E above, check all POs/ PSOs and other discrete components, whether correctly evaluated.
6. Criteria for levels 1,2,3 are given above, if there is change in criteria, accordingly formulae in corresponding column need to be changed.
7. Ensure framing of proper COs for your course and their mappings in the grey color marking in the table
8. For any query, difficulty or error, contact HoD or undersigned

Total	1064	530.5	570	2310	74	473	555	2148	73	60	100	600	25	0	0	0
Count	25	25	27	25	25	25	25	25	10	10	10	10	0	0	0
Average	42.54	21.22	21.407	92.4	2.96	18.92	22.2	85.92	2.92	6	10	60	2.5			

	CO1	CO2	CO3	CO4
Student Attainment Level 3 Count	24	23	6	
Student Attainment Level 3 %	96	92	60	
Student Attainment Level 2 Count	1	2	4	
Student Attainment Level 2 %	4	8	30	
Student Attainment Level 1 Count	0	0	1	
Student Attainment Level 1 %	0	0	10	
Course Attainment (% Students getting level 3)	96	92%	60%	
Target Achieved	YES	YES	YES	
Gaps Identified				

Action To be taken

Overall CO Attainments for PO

	CO1	CO2	CO3	CO4	CO5	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Targets	3	3	2.5	1	0	2.375	3	2	1										1		
Attainments	2.96	2.92	2.0833			2.3433	2.96	1.1333													
Gap	0.04	0.08	0.4167			0.0317	0.04	0.8667													

POORNIMA COLLEGE OF ENGINEERING, JAIPUR

Department of Electrical Engineering

NBA Process Implementation

CO Attainment Sheet Session 2023-24

Batch 2021-2025 Semester VI- Mid Term II

Fillup data in Light Grey Areas wherever required in the sheet including STudents names, Reg. No, Q 1 to 15 column marks, CO no as CO1, CO2 but not as 1,2 etc., CO-PO-PSO mappings

DO not add any column in questions, if there are questions a, b,c, then add CO wise marks and adjust in available columns only.

You can delete rows not required.

Those who have not attempted / Absent/ Debarredshould be kept blank.

Course Code	CA	Name of Faculty
6EE3-01	Section	Mr. Rachit Saxena
		A

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	Target CO for	PSO1	PSO2	PSO3	Target CO for
CO1	3	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	
CO2	3	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	
CO3	3	2	-	-	-	-	-	-	-	-	-	-	2.5	-	-	-	
CO4	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	1	1
CO5	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	
Target PO/P SO throu	3	2	1										2		1	1	

(Student data table — Roll No., Name of Students, University Roll No, question-wise marks Q.1–Q.15 and CO1/CO2/CO3 attainment columns)

S. No.	Roll No.	Name of Students	University Roll No
1	21EE/01	AMAAN KHAN	21EPCEE001
2	21EE/02	ANUJ YADAV	21EPCEE002
3	21EE/03	ARPIT KUMAR GUPTA	21EPCEE003
4	21EE/04	ARYAN CHOUDHARY	21EPCEE004
5	21EE/05	DEBNIL MAHAPATRA	21EPCEE005
6	21EE/06	DEEPAK SHARMA	21EPCEE006
7	21EE/07	GAGANDEEP	21EPCEE007
8	21EE/08	HIMANSHU NAMA	21EPCEE008
9	21EE/09	KRITIKA CHAWALA	21EPCEE009
10	21EE/10	MD ASIF ALI	21EPCEE010
11	21EE/11	NAMAN KUMAR MEENA	21EPCEE011
12	21EE/12	NIKHIL SHARMA	21EPCEE012
13	21EE/13	PANKAJ BIJARNIYA	21EPCEE013
14	21EE/14	PRIYANSHU SHARMA	21EPCEE014
15	21EE/15	PUNEET SARASWAT	21EPCEE015
16	21EE/16	RAJ KUMAR	21EPCEE016
17	21EE/17	RAJKUMAR BOCHALYA	21EPCEE017
18	21EE/18	RAM NARAYAN JAT	21EPCEE018
19	21EE/19	RAMDHU MEENA	21EPCEE019
20	21EE/20	RAVI SAINI	21EPCEE020
21	21EE/21	ROHIT KUMAR	21EPCEE021
22	21EE/22	SHER SINGH MEENA	21EPCEE022
23	21EE/23	SHUBHAM KUMAR YOGI	21EPCEE023
24	21EE/24	SHUBHAM VERMA	21EPCEE024
25	21EE/25	VINAY SHARMA	21EPCEE025
26	21EE/26	YATENDER YADAV	21EPCEE026
27	21EE/27	PEERZADA ABDUL HADIE SHAH	PCE22EE702

(Lower summary section)

	CO1		CO2			CO3	
	MID II	MID I	MID II	MID I	Total	MID II	MID I
Student Attainment Level 3 Count			26		26		
Student Attainment Level 3 %	100		100			92	0
Student Attainment Level 2 Count	0		0		0		
Student Attainment Level 2%							
Student Attainment Level 1 Count	0		0		0	1	0
Student Attainment Level 1 %							
Course Attainment (%Students getting level 3)	100%	0%	100%		100%	92%	0%
Target Achieved *	YES	NO	YES	NO	YES	YES	NO
Gaps Identified							
Action To be taken							

Overall CO Attainment for PO

	CO1	CO2	CO3	CO4	CO5	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Targets	3	3	2.5		1		3	2	1												1
MID I Attainments	2.96	2.92	2.0833				2.343	2.96	1.1333												
Attainments Mid II	3	3	2.4		1		3	1.4667	0.3333								0.333				
Attainments Cumulative	2.98	2.96	2.2417		1		2.172	2.98	1.3	0.3333							0.333				
Gap	0.02	0.04	0.2583	0			-0.17	0.02	0.7	0.6667							0.667				

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POORNIMA COLLEGE OF ENGINEERING,JAIPUR

Department of Electrical Engineering

NBA Process Implementation

CO Attainment Sheet Session 2023-24

Batch 2021-2025 Semester VI- RTU Component

Name of Course	CA
Name of	Mr. Rachit Saxena
Course Code	6EE3-01
Section	A

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	Target CO for PO	PSO1	PSO2	PSO3	Target CO for PSO
CO1	3	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	
CO2	3	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	
CO3	3	2	-	-	-	-	-	-	-	-	-	-	2.5	-	-	-	
CO4	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	1	1
CO5	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	
Target PO/PSO through CO	3	2	1										2.375			1	1

Category-A	Level 3	Level 2	Level 1
Internal	60 % of students getting > 60% marks	50-60 % of students getting > 60% marks	40-50 % of students getting > 60% marks
RTU	50%-100% Marks	50%-30% Marks	0%-30%
Overall	55-100%	55-40%	<40%

S. No.	Roll No.	Name of Students	University Roll No. (Q. No.; Max. Marks:)	Marks Obtained (70)	RTU CO %	RTU Overall CO Level	PO1 (3) Overall % Attainment	PO1 Level	PO2 (2) Overall % Attainment	PO2 Level	PO3 (1) Overall % Attainment	PO3 Level
1	21/EE/01	AMAAN KHAN	21EPCEE001	39	55	3	55	3	37	2	18	1
2	21/EE/02	ANUJ YADAV	21EPCEE002	64	92	3	92	3	61	3	31	2
3	21/EE/03	ARPIT KUMAR GUPTA	21EPCEE003	63	90	3	90	3	60	3	30	2
4	21/EE/04	ARYAN CHOUDHARY	21EPCEE004	54	77	3	77	3	51	3	26	1
5	21/EE/05	DEBNIL MAHAPATRA	21EPCEE005	60	86	3	86	3	57	3	29	1
6	21/EE/06	DEEPAK SHARMA	21EPCEE006	34	49	2	49	2	33	2	16	1
7	21/EE/07	GAGANDEEP	21EPCEE007	64	92	3	92	3	61	3	31	2
8	21/EE/08	HIMANSHU NAMA	21EPCEE008	65	93	3	93	3	62	3	31	2
9	21/EE/09	KRITIKA CHAWALA	21EPCEE009	51	73	3	73	3	49	2	24	1
10	21/EE/10	MD ASIF ALI	21EPCEE010	43	61	3	61	3	41	2	20	1
11	21/EE/11	NAMAN KUMAR MEENA	21EPCEE011									
12	21/EE/12	NIKHIL SHARMA	21EPCEE012	33	47	2	47	2	31	2	16	1
13	21/EE/13	PANKAJ BIJARNIYA	21EPCEE013	55	79	3	79	3	53	3	26	1
14	21/EE/14	PRIYANSHU SHARMA	21EPCEE014	63	90	3	90	3	60	3	30	2
15	21/EE/15	PUNEET SARASWAT	21EPCEE015	32	46	2	46	2	31	2	15	1
16	21/EE/16	RAJKUMAR	21EPCEE016	22	31	2	31	2	21	1	10	1
17	21/EE/17	RAJKUMAR BOCHALIYA	21EPCEE017	32	46	2	46	2	31	2	15	1
18	21/EE/18	RAM NARAYAN JAT	21EPCEE018	51	73	3	73	3	49	2	24	1
19	21/EE/19	RAMCHIJ MEENA	21EPCEE019	39	55	3	55	3	37	2	18	1
20	21/EE/20	RAVI SAINI	21EPCEE020	52	74	3	74	3	49	2	25	1
21	21/EE/21	ROHIT KUMAR	21EPCEE021	57	82	3	82	3	55	3	27	1
22	21/EE/22	SHER SINGH MEENA	21EPCEE022	28	40	2	40	2	27	1	13	1
23	21/EE/23	SHUBHAM KUMAR YOGI	21EPCEE023	55	78	3	78	3	52	3	26	1
24	21/EE/24	SHUBHAM VERMA	21EPCEE024	32	46	2	46	2	31	2	15	1
25	21/EE/25	VINAY SHARMA	21EPCEE025	51	73	3	73	3	49	2	24	1
26	21/EE/26	YATENDER YADAV	21EPCEE026	60	85	3	85	3	57	3	28	1
27	21/EE/27	PEERZADA ABDUL HADIE SHAH	PCE22EE702	52	74	3	74	3	49	2	25	1

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C	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
Average	48	69	2.730769231	69	2.730769	46	2.346154	23	1.192308														
Count	26	26	26	26	26	26	26	26	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Student Attainment Level 3 Count			19		19		11		0		0		0		0		0		0		0		0
%			73.08		73.08		42.31		0.00														
Student Attainment Level 2 Count			7		7		13		5		0		0		0		0		0		0		0
2%			26.92		26.92		50.00		19.23														
Student Attainment Level 1 Count			0		0		2		21		0		0		0		0		0		0		0
%			0.00		0.00		7.69		80.77														
Course Attainment (%Students getting level 3)			73.08		73.08		42.31		0.00														
Target Achieved			YES		YES		NO		NO		YES		YES		YES		YES		YES		YES		YES

CO Attainments	Overall CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	Overall for PSO	Overall for PO
Target	3.00	3	2	1												1	1.00	2.38
RTU Component Attainments	2.730769231	2.730769231	1.5641	0.397435897												0.397436	0.397436	1.857372
Gap	0.269230769	0.269230769	0.4359	0.602564103												0.60256	0.602564	0.517628

Instructions
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5. After copying and pasting data in B-E above, check all POs/ PSOs and other discrete components, whether correctly evaluated.
6. Criteria for levels 1,2,3 are given above, if there is change in criteria, accordingly formulae in corresponding column need to be changed.
7. Ensure framing of proper COs for your course and their mappings in the grey color marking in the table
8. For any query, difficulty or error, contact HoD or undersigned

POORNIMA COLLEGE OF ENGINEERING, JAIPUR
Department of Electrical Engineering
NBA Process Implementation
CO Attainment Sheet Session 2023-24
Batch 2021-2025 Semester VI- D2

CA		Name of Faculty	Mr. Rachit Saxena
Course Code	6EE3-01	Section	A

Student marks table with columns: S. No., Roll No., Name of Students, University Roll No., Q. No. (Q.1–Q.5), CO3, CO4, OBT, Assignment, Quiz, and CO attainment sections (CO1, CO2, CO3).

S. No.	Roll No.	Name of Students	University Roll No.
1	21VEEA01	AMAAN KHAN	21EPCEE001
2	21VEEA02	ANUJ YADAV	21EPCEE002
3	21VEEA03	ARPIT KUMAR GUPTA	21EPCEE003
4	21VEEA04	ARYAN CHOUDHARY	21EPCEE004
5	21VEEA05	DEBNIL MAHAPATRA	21EPCEE005
6	21VEEA06	DEEPAK SHARMA	21EPCEE006
7	21VEEA07	GAGANDEEP	21EPCEE007
8	21VEEA08	HIMANSHU NAMA	21EPCEE008
9	21VEEA09	KRITIKA CHAWALA	21EPCEE009
10	21VEEA10	MD ASIF ALI	21EPCEE010
11	21VEEA11	NAMAN KUMAR MEENA	21EPCEE011
12	21VEEA12	NIKHIL SHARMA	21EPCEE012
13	21VEEA13	PANKAJ BIJARNIYA	21EPCEE013
14	21VEEA14	PRIYANSHU SHARMA	21EPCEE014
15	21VEEA15	PUNEET SARASVAT	21EPCEE015
16	21VEEA16	RAJKUMAR	21EPCEE016
17	21VEEA17	RAJKUMAR BOCHALIYA	21EPCEE017
18	21VEEA18	RAM NARAYAN JAT	21EPCEE018
19	21VEEA19	RAMONU MEENA	21EPCEE019
20	21VEEA20	RAVI SAINI	21EPCEE020
21	21VEEA21	ROHIT KUMAR	21EPCEE021
22	21VEEA22	SHER SINGH MEENA	21EPCEE022
23	21VEEA23	SHUBHAM KUMAR YOGI	21EPCEE023
24	21VEEA24	SHUBHAM VERMA	21EPCEE024
25	21VEEA25	VINAY SHARMA	21EPCEE025
26	21VEEA26	YATENDER YADAV	21EPCEE026
27	21VEEA27	PEERZADA ABDUL HADIE SHAH	PCE22EE702

Sheet 1 (OVERALL)

	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	Target CO for PO	PSO1	PSO2	PSO3	Target CO for PSO
	CO1	3	-	-	-	-	-	-	-	-	-	-	-					
	CO2	3	-	-	-	-	-	-	-	-	-	-	-		3	-	-	
	CO3	3	2	-	-	-	-	-	-	-	-	-	-	2.5	-			
	CO4	-	-	1	-	-	-	-	-	-	-	-	-		1	-	1	1
	CO5	-	-	-	-	-	-	-	-	-	-	-	-		-	-	1	

POORNIMA COLLEGE OF ENGINEERING, JAIPUR
Department of Electrical Engineering
NBA Process Implementation
CO Attainment Sheet Session 2023-24
Batch 2021-2025 Semester VI- Overall

Name of Course	CA	Name of Faculty	Mr. Rishik Sonna														2.375			1	1
Course Code	6EE3-01	Section	A																		
Target PO/PSO				5	2	1															

Category-A / Level 3 / Level 2 / Level 1

Internal	60 % of students getting > 60% marks	50-60 % of students getting > 60% marks	40-50 % of students getting > 60% marks
RTU	50%-100% Marks	50%-50% Marks	0%-30%
Overall	55-100%	55-40%	<40%

S. No.	Roll No.	Name of Students	University Roll No. / Reg. No.	RTU Overall CO % (75)	Level	Mid I (30)	Level	Mid II (30)	Level	D2 % (5)	Level	Cumulative CO % (100)	Cumulative CO Level	Y1 Overall PO1 Mid Term I W1=10%	Y3 Overall PO1 Attainment 2 Mid	D2 W3=5%	RTU Compone t W4=75%	Overall PO1 Attainment t	Level	Y1 Overall PO2 Mid Term I W1=10%	Y3 Overall PO2 Attainment 2 Mid	D2 W3=5%	RTU Compone t W4=75%	Overall PO2 Attainment t	Level
1	21EE/01	AMAAN KHAN	21EPCEE001	55	3	80	3	94	3	52	2	62	3	63	100	70	55	63.05	3		67	47	37	40.89	2
2	21EE/02	ANUJ YADAV	21EPCEE002	52	3	94	3	90	3	64	3	31	3	94	54	90	52	82.3	3	60	61	60	61	60.05	3
3	21EE/03	ARPIT KUMAR GUPTA	21EPCEE003	90	3	96	3	90	3	66	3	90	3	36	90	90	90	31.4	3	57	60	60.33	3
4	21EE/04	ARYAN CHOUDHARY	21EPCEE004	77	3	64	3	81	3	53	2	75	3	64	92	80	77	77.35	3	10	51	51	47.3	2
5	21EE/05	DEEPAK MAHAPATRA	21EPCEE005	96	3	85	3	86	3	61	3	65	3	85	67	90	96	86.2	3	53	53	60	57	56.95	3
6	21EE/06	DEEPAK SHARMA	21EPCEE006	49	2	80	3	87	3	53	2	57	3	80	91	90	49	58.15	3	53	55	53	58.2	1
7	21EE/07	GAGANDEEP	21EPCEE007	92	3	94	3	77	3	61	3	69	3	94	72	90	92	90.1	3	47	60	61	53.33	3
8	21EE/08	HIMANSHU NAMA	21EPCEE008	90	3	80	3	79	3	61	3	64	3	80	81	90	90	90.68	3	30	51	60	62	57.3	3
9	21EE/09	KRITIKA CHAWALA	21EPCEE009	73	3	80	3	79	3	56	2	74	3	80	86	90	73	75.65	3	40	47	53	43	40.1	2
10	21EE/10	MD ASIF ALI	21EPCEE010	61	3	84	3	87	3	55	2	66	3	84	92	90	61	67.05	3	55	53	41	43.22	2
11	21EE/11	NAMAN KUMAR MEENA	21EPCEE011																				
12	21EE/12	NIKHIL SHARMA	21EPCEE012	47	2			77	3	56	2				90	80	47	52.5	2	51	53	31	34.44	1
13	21EE/13	PANKAJ BIJARNIYA	21EPCEE013	79	3	80	3	87	3	64	3	80	3	69	90	90	79	81.65	3	61	60	53	74.20	2
14	21EE/14	PRIYANDU SHARMA	21EPCEE014	89	3	89	3	97	3	66	3	90	3	89	96	90	89	91.5	3	54	60	60	60.44	3
15	21EE/15	PUNEET SARAOVAT	21EPCEE015	46	2	100	3	76	3	55	2	55	2	100	77	70	46	55.7	3	37	47	31	32.56	1
16	21EE/16	RAJKUMAR	21EPCEE016	21	2	67	3	63	3	56	2	30	1	67	64	70	21	20.05	1	13	47	21	21.56	1
17	21EE/17	RAJKUMAR BOOHALIYA	21EPCEE017	46	2	76	3	60	3	59	2	53	2	76	84	90	46	55	3	49	60	31	34.51	1
18	21EE/18	RAM NARAYAN JAT	21EPCEE018	73	3	75	3	90	3	53	2	73	3	75	91	90	73	75.65	3	27	54	60	49	47.85	2
19	21EE/19	RAMDIN MEENA	21EPCEE019	55	3	80	3	88	3	56	2	63	3	80	89	90	55	64.05	3	55	53	37	39.69	1
20	21EE/20	RAVI SAINI	21EPCEE020	74	3	96	3	91	3	61	3	77	3	96	89	90	74	70.5	3	61	60	49	50.94	2
21	21EE/21	ROHIT KUMAR	21EPCEE021	62	3	90	3	92	3	56	2	82	3	90	90	90	62	80.6	3	53	56	53	55	54.6	2
22	21EE/22	SHER SINGH MEENA	21EPCEE022	60	2	90	3	85	3	53	2	50	2	90	92	80	60	52.2	2	57	53	27	31.78	1
23	21EE/23	SHUBHAM KUMAR YOGI	21EPCEE023	78	3	96	3	83	3	56	2	78	3	96	90	90	78	79.9	3	47	53	52	51.1	2
24	21EE/24	SHUBHAM VERMA	21EPCEE024	46	2	53	3	70	3	53	2	53	2	53	100	70	46	53.9	2	27	53	43	53.22	2
25	21EE/25	VINAY SHARMA	21EPCEE025	73	3	100	3	91	3	53	2	77	3	100	80	80	73	77.05	3	67	53	49	51.22	2
26	21EE/26	YATENDER YADAV	21EPCEE026	85	3	84	3	87	3	64	3	84	3	84	87	90	85	85.35	3	58	60	57	57.20	3
27	21EE/27	PEERZADA ABDUL HADIE SHAH	PCE22EE702	72	3	80	3	79	3	55	2	74	3	72	60	90	74	74.7	3	40	47	55	49	48.1	2

Sheet 2 (OVERALL)

		Total	1,787	71	2,136	74	2,189	78	1,539	62	1,804	69	2,138	2,267	2,160	1,787	1,894	73	399	1,333	1,431	1,194	1,216	51
		Overall Classwise CO Attainment	68.73	2.73	85.43	2.96	84.18	3.00	59.19	2.38	72.15	2.76	85.52	87.19	82.69	68.73	72.83	2.81	39.90	53.32	55.04	45.92	46.76	1.96
		COUNT	26	26	25	25	26	26	26	26	25	25	26	26	26	26	26	26	10	25	26	26	26	22
		Student Attainment Level 3		19		24		26		10		26				22					7			
		Student Attainment Level 3 x	73.0769231		96		100		38.4615385		80				84.61538				26.92308				
		Student Attainment Level 2	7		1		0		16		0				4				11			
		Student Attainment Level 2x	26.9230769		4		0		61.5384615		16				11.53846				42.30769			
		Student Attainment Level 1	0		0		0		0		0				0				8			
		Student Attainment Level 1 X	0		0		0		0		4				3.844154				30.76923			

GAP ANALYSIS

CO Attainments	Overall CO	Gap
Mid I Attainment	2.96	0.04
Mid II Attainment	3.00	0.00
H1U Component Attainments	2.73	0.27
D2 Attainments	2.38	0.62
Overall CO Attainment	2.76	0.24
Target	3	
Gap Identified		

Action to be taken

Classwise PO Attainments	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO2	PSO3
Through Mid I	2.96	1.33333333	0.3333333												0.33333
Through Mid II	3	1.466666667	0.3333333												0.33333
Through RTU Component	2.730769231	1.564102564	0.3974359												0.39744
Through D2	3	1.615384615	0.3333333												0.33333
Overall PO attainments through CO	2.81	1.51	0.33												0.33
Target	3	2	1												1
Overall Gap	0.19	0.49	0.67												0.67

Instructions
1. Please check all fields information and fill up correctly. You will have to bring relevant information from previous sheets. While pasting select pasting values only. (Grey Color)
2. You are required to fill relevant data of student name, registration no. with reference to specific section, their marks as per sheet available with you. (Only Grey color fields need to be replaced with course specific data including mapping with PO/PSO)
3. DO not add or delete any column
4. You can delete rows only those which are beyond your section student list.
5. After copying and pasting data in B-E above, check all POs/ PSOs and other discrete components, whether correctly evaluated.
6. Criteria for levels 1,2,3 are given above, if there is change in criteria, accordingly formulae in

POORNIMA COLLEGE OF ENGINEERING, JAIPUR

Department of Electrical Engineering

NBA Process Implementation, Session 2023-24

PO Attainment Sheet

Batch 2021-25 Semester VI- RTU Component +Mid I,II+End Course Survey

Section	A		
Category-A	Level 3	Level 2	Level 1
Internal (MID) I & MID III/Survey	60 % of students getting > 80% marks	50-60 % of students getting > 80% marks	40-50 % of students getting >
Lab/Seminar/Project- Internal	>80%	50-80%	<50%
Lab/Seminar/Project- External	>70%	50-70-%	<50%
RTU	50%-100% Marks	50%-30% Marks	0%-30%
Overall	55-100%	55-40%	<40%

(The worksheet contains extensive numeric data tables for PO1, PO2 attainment across students and course outcomes; individual cell values are not legibly resolvable.)

Worksheet tabs: MID1 | MID2 | END_COURSE | RTU | **OVERALL** | SO1 | SO2 | SO3 | SO4 | SO5 | SO6 | SO7 | SO8 | SO9 | SO10 | SO11 | SO12 | SO13