

RAJARAJESWARI COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
Academic Session: (AY 2022-2023 ODD SEM)

COURSE TARGET SET AND ATTAINMENT REPORT

Name of the Faculty: Mr. Lokesha K, Dr. S M Vijaya

Subject Code: 18EC72

Subject: VLSI DESIGN

For assessment purpose both Internals and Externals (VTU Exam) is considered as direct attainment.

For FINAL IA

Set target: 55% of the students to score 55% of the maximum marks (22 out of 40)

Assessment Outcome	Attainment Level
If 55% achieved	3
50 - 54%	2
45 - 50%	1
Less than 45 %	0

Total # of students	113
55% of the students to score 55% of the maximum marks (22 out of 40)	62
% of students who scored this target	56.64
Remarks	TARGET ACHIEVED
Attainment Level	3

FOR DIRECT ATTAINMENT: (40% Internals + 60% Externals)

NOTE: Target calculation is done excluding students who are not eligible to take up the SEE.

METHOD:

Same target is identified for all the CO's of a course. For example - the target can be 70% of the maximum marks to be scored

CO's	Set target	Attainment Level
CO1	55%	If achieved - 3 50 - 54%- 2 45 - 50%- 1 Less than 45% - 0
CO2	55%	
CO3	55%	
CO5	55%	
CO4	55%	

CASE STUDY: distribution of performance among the students.

Sl. #	USN	Name of the student	Target Achieved				
			CO1	CO2	CO3	CO4	CO5
1	1RR17EC050	Harshitha B L	NO	NO	NO	NO	NO
2	1RR18EC003	ABHISHEK A P	NO	NO	NO	NO	NO
3	1RR18EC067	Praiwal M S	NO	NO	NO	NO	NO
4	1RR18EC071	Prathik J	NO	NO	NO	NO	NO
5	1RR18EC091	Sanjana N	NO	NO	NO	NO	NO
6	1RR18EC085	Ritesh L	NO	NO	NO	NO	YES
7	1RR18EC112	Tejas N	NO	NO	NO	NO	NO
8	1RR18EC117	Ullas A	NO	NO	NO	NO	NO
9	1RR18EC126	Vivek M R	NO	NO	NO	NO	YES
10	1RR19EC001	Ajantha K	NO	YES	YES	NO	YES
11	1RR19EC002	Aiay A M	NO	YES	NO	NO	YES
12	1RR19EC003	Aiay Kumar K	NO	NO	NO	NO	NO
13	1RR19EC004	Akanksh Shetty	NO	YES	YES	NO	NO
14	1RR19EC005	Akshatha B	NO	YES	NO	NO	YES
15	1RR19EC006	Amaresh C Sarawad	NO	NO	NO	NO	NO

16	1RR19EC007	Apsana A Nadaf	NO	NO	NO	NO	YES
17	1RR19EC008	Basavaraiu .	NO	NO	NO	NO	NO
18	1RR19EC009	Chaithra A .	YES	YES	YES	YES	YES
19	1RR19EC010	Chandan J .	YES	YES	YES	YES	YES
20	1RR19EC011	Chandana G R	NO	NO	YES	NO	NO
21	1RR19EC012	Chethan A Karigowdar	NO	NO	NO	NO	NO
22	1RR19EC013	Dabbara Vamsi Krishna	NO	NO	NO	NO	NO
23	1RR19EC014	Dhanush D	YES	YES	NO	NO	YES
24	1RR19EC015	Dimple Y	NO	NO	NO	NO	YES
25	1RR19EC016	Divya Raghuram Prabhu	YES	YES	YES	YES	YES
26	1RR19EC017	Gagan S J	NO	NO	NO	NO	NO
27	1RR19EC018	Gaurav M Pawar	NO	NO	NO	NO	NO
28	1RR19EC019	Govardhan B S	NO	NO	NO	NO	NO
29	1RR19EC020	Gowtham D M	YES	NO	NO	NO	NO
30	1RR19EC021	Gowthami R	NO	YES	YES	NO	YES
31	1RR19EC022	Harshitha B	NO	YES	NO	NO	YES
32	1RR19EC023	HOLLEN LOUKHAM	NO	NO	NO	NO	NO
33	1RR19EC024	INCHARA L	NO	NO	NO	NO	NO
34	1RR19EC025	JASWANTH GOWDA A C	NO	NO	NO	NO	YES
35	1RR19EC026	KALIPRASAD M	YES	YES	NO	NO	YES
36	1RR19EC027	KAVYA C	NO	NO	NO	NO	NO
37	1RR19EC028	KEERTHI B N	YES	YES	NO	YES	YES
38	1RR19EC029	KUSHALA V K	YES	NO	YES	NO	YES
39	1RR19EC030	LOKNATH N	NO	NO	NO	NO	NO
40	1RR19EC031	MANASA B G	NO	NO	NO	NO	NO
41	1RR19EC032	MANJUNATH UPPAR	NO	NO	NO	NO	NO
42	1RR19EC033	MANOJ D	NO	NO	NO	NO	NO
43	1RR19EC034	MANOJ KUMAR S	NO	NO	NO	NO	NO
44	1RR19EC035	MANOJ M R	NO	NO	NO	NO	NO
45	1RR19EC036	MEGHA H V	YES	YES	NO	YES	YES
46	1RR19EC037	MEGHANA N	NO	NO	NO	NO	NO
47	1RR19EC038	MONIKA M K	YES	YES	NO	NO	NO
48	1RR19EC039	MUNEEB GULL	YES	NO	NO	NO	NO
49	1RR19EC040	NANDYALA PAVAN	NO	NO	NO	NO	NO
50	1RR19EC041	NAYANA S R	YES	YES	YES	YES	YES
51	1RR19EC042	NITHISH KUMAR S	YES	NO	NO	NO	YES
52	1RR19EC043	NITHYA RANI	NO	NO	NO	NO	NO
53	1RR19EC044	NITHYA S PRASAD	YES	YES	NO	NO	NO
54	1RR19EC045	NITISH YUMNAM	NO	NO	NO	NO	NO
55	1RR19EC046	NUZHANA G N	YES	NO	NO	YES	YES
56	1RR19EC047	P VENKATA SAI LAKSHMI	NO	NO	NO	NO	NO
57	1RR19EC048	PADMITHA S	NO	NO	NO	NO	YES
58	1RR19EC049	PAVAN M	YES	NO	YES	NO	YES
59	1RR19EC050	PAVITHRA P	YES	YES	YES	YES	YES
60	1RR19EC051	POLURU HARIKA	NO	NO	NO	YES	YES
61	1RR19EC052	POOJA R	YES	NO	NO	NO	YES
62	1RR19EC053	POORVA PAI	YES	YES	YES	YES	YES
63	1RR19EC054	PRAJWAL B R	NO	NO	NO	NO	NO
64	1RR19EC055	PRAJWAL G	YES	NO	NO	NO	YES
65	1RR19EC056	PRAJWAL PRASAD R	NO	NO	NO	NO	NO
66	1RR19EC057	PRASHANTH R S	NO	NO	NO	NO	NO
67	1RR19EC058	PRATHYUSHA H KUMAR	YES	YES	NO	YES	YES
68	1RR19EC059	Punith B	NO	NO	NO	NO	NO
69	1RR19EC060	PURIMETLA JAGADEESH	NO	NO	NO	NO	NO
70	1RR19EC061	RAHUL M R	NO	NO	NO	NO	NO
71	1RR19EC062	RANJITHA L P	NO	NO	NO	NO	NO
72	1RR19EC063	RASHMI SHREE N	NO	NO	NO	NO	YES
73	1RR19EC064	RITHIN D	NO	NO	NO	NO	NO
74	1RR19EC065	ROOPA R	YES	NO	NO	NO	NO
75	1RR19EC066	SADHANA R	YES	YES	NO	NO	NO
76	1RR19EC067	SAMEER KULKARNI	NO	NO	NO	NO	NO
77	1RR19EC069	SANJANA H	YES	NO	NO	NO	YES
78	1RR19EC070	SANJAY G S	NO	NO	NO	NO	NO
79	1RR19EC071	SANTHOSH GOWDA K R	NO	NO	NO	NO	NO
80	1RR19EC072	SHERLIN JAGATH J	YES	YES	YES	YES	YES
81	1RR19EC073	SHIVAKUMAR H M	NO	NO	NO	NO	YES
82	1RR19EC074	SHREYANK H	YES	NO	NO	NO	YES
83	1RR19EC075	SHRUSTI NAVALAGI	NO	NO	NO	NO	NO
84	1RR19EC076	SHWETHA	YES	NO	NO	NO	YES
85	1RR19EC077	SNEHA G	NO	NO	NO	NO	NO
86	1RR19EC078	SNEHA G	NO	NO	NO	NO	NO
87	1RR19EC079	SONALI	YES	NO	NO	NO	NO

88	1RR19EC080	SPANDANA C S	YES	YES	NO	YES	YES
89	1RR19EC081	SUJAY G S	NO	NO	NO	NO	NO
90	1RR19EC082	SUKRUTHI R GOWDA	YES	YES	YES	YES	YES
91	1RR19EC083	SUPRITHA S	YES	YES	NO	YES	NO
92	1RR19EC084	S SURIYA PRABHA	NO	NO	NO	NO	NO
93	1RR19EC085	Surya D	NO	NO	NO	NO	NO
94	1RR19EC086	SUSHMA G S	NO	NO	NO	NO	NO
95	1RR19EC087	SWATHI J	YES	YES	NO	YES	YES
96	1RR19EC088	SWETHA S	NO	NO	NO	YES	NO
97	1RR19EC089	SYED AVEZ HUSSAIN	NO	NO	NO	NO	YES
98	1RR19EC090	TEJAS I TELKAR	YES	YES	NO	YES	YES
99	1RR19EC091	THAKSHITH B K	YES	YES	NO	YES	YES
100	1RR19EC092	TOUSIF ALI MUZAWAR	YES	YES	NO	NO	YES
101	1RR19EC093	TRIKALESHWAR S	YES	YES	NO	YES	YES
102	1RR19EC094	TUSHAR KHATAWAKAR	NO	NO	NO	NO	NO
103	1RR19EC095	VARNITHA M SHET	YES	YES	YES	YES	YES
104	1RR19EC096	VARSHITH RAJ C R	NO	NO	NO	NO	NO
105	1RR19EC097	VARSHITHA D C	NO	NO	NO	NO	NO
106	1RR19EC098	C Varun .	NO	NO	NO	NO	NO
107	1RR19EC099	VARUN RAJ C R	YES	YES	NO	YES	YES
108	1RR19EC100	VINAY H R	NO	NO	NO	NO	NO
109	1RR19EC101	VISHWANATH B S	NO	NO	NO	NO	NO
110	1RR19EC102	VISHWAS B	NO	NO	NO	NO	NO
111	1RR19EC103	YASHAS J	NO	NO	NO	NO	YES
112	1RR19EC104	YATHEESH R B	NO	NO	NO	NO	NO
113	1RR20EC400	MADESHA N	NO	NO	NO	NO	NO

FOR INDIRECT ATTAINMENT:

CO's	Set target	Attainment Level
CO1	80%	If achieved - 3 70 - 79 % - 2 60 - 69 % - 1 Less than 60% - 0
CO2	80%	
CO3	80%	
CO4	80%	

FOR CO ATTAINMENT: (considering Course Exit Survey)

CO's	Set target	Attainment Level
CO1	80%	If achieved - 3 60 - 69 % - 2 50 - 59 % - 1 Less than 50% - 0
CO2	80%	
CO3	80%	
CO4	80%	

FOR FINAL CALCULATION CO ATTAINMENT LEVEL: (considering Course Exit Survey)

80% of DA + 20% of IDA

Sl. #	USN	Name of the student	Target Achieved				
			CO1	CO2	CO3	CO4	CO5
1	1RR17EC050	Harshitha B L	1.40	0.60	0.60	0.60	1.40
2	1RR18EC003	ABHISHEK A P	0.60	0.60	0.60	0.60	0.60
3	1RR18EC067	Prajwal M S	0.60	0.60	0.60	0.60	0.60
4	1RR18EC071	Prathik J	0.60	0.60	0.60	0.60	0.60
5	1RR18EC091	Sanjana N	1.40	0.60	0.60	0.60	1.40
6	1RR18EC085	Ritesh L	1.40	0.60	0.60	1.40	2.20
7	1RR18EC112	Tejas N	0.60	0.60	0.60	0.60	0.60
8	1RR18EC117	Ullas A	1.40	1.40	1.40	1.40	2.20
9	1RR18EC126	Vivek M R	2.20	2.20	1.40	1.40	2.20
10	1RR19EC001	Ajantha K	2.20	3.00	2.20	2.20	3.00
11	1RR19EC002	Ajay A M	2.20	2.20	2.20	1.40	2.20
12	1RR19EC003	Ajay Kumar K	1.40	0.60	1.40	1.40	1.40
13	1RR19EC004	Akanksh Shetty	2.20	2.20	3.00	1.40	2.20
14	1RR19EC005	Akshatha B	2.20	2.20	2.20	0.60	3.00
15	1RR19EC006	Amaresh C Sarawad	1.40	0.60	1.40	0.60	1.40
16	1RR19EC007	Apsana A Nadaf	1.40	0.60	1.40	0.60	2.20
17	1RR19EC008	Basavaraju .	0.60	0.60	0.60	1.40	2.20

18	1RR19EC009	Chaithra A .	3.00	3.00	3.00	2.20	3.00
19	1RR19EC010	Chandan J .	3.00	3.00	3.00	3.00	3.00
20	1RR19EC011	Chandana G R	1.40	1.40	3.00	0.60	0.60
21	1RR19EC012	Chethan A Karigowdar	1.40	0.60	0.60	0.60	1.40
22	1RR19EC013	Dabbara Vamsi Krishna	0.60	0.60	0.60	0.60	0.60
23	1RR19EC014	Dhanush D	2.20	3.00	2.20	1.40	3.00
24	1RR19EC015	Dimple Y	1.40	0.60	0.60	0.60	2.20
25	1RR19EC016	Divya Raghuram Prabhu	3.00	3.00	3.00	3.00	3.00
26	1RR19EC017	Gagan S J	1.40	0.60	0.60	1.40	1.40
27	1RR19EC018	Gaurav M Pawar	0.60	0.60	0.60	0.60	0.60
28	1RR19EC019	Govardhan B S	0.60	0.60	0.60	0.60	0.60
29	1RR19EC020	Gowtham D M	3.00	2.20	1.40	2.20	2.20
30	1RR19EC021	Gowthami R	2.20	3.00	2.20	0.60	2.20
31	1RR19EC022	Harshitha B	2.20	2.20	2.20	1.40	2.20
32	1RR19EC023	HOLLEN LOUKHAM	0.60	0.60	0.60	0.60	0.60
33	1RR19EC024	INCHARA L	0.60	0.60	0.60	0.60	1.00
34	1RR19EC025	JASWANTH GOWDA A C	1.40	1.40	1.40	0.60	3.00
35	1RR19EC026	KALIPRASAD M	3.00	2.20	2.20	2.20	3.00
36	1RR19EC027	KAVYA C	1.40	1.40	0.60	0.60	2.20
37	1RR19EC028	KEERTHI B N	3.00	3.00	2.20	3.00	3.00
38	1RR19EC029	KUSHALA V K	3.00	2.20	2.20	1.40	3.00
39	1RR19EC030	LOKNATH N	1.40	0.60	0.60	0.60	1.40
40	1RR19EC031	MANASA B G	0.60	0.60	0.60	0.60	0.60
41	1RR19EC032	MANJUNATH UPPAR	1.40	0.60	0.60	0.60	1.40
42	1RR19EC033	MANOJ D	0.60	0.60	0.60	0.60	0.60
43	1RR19EC034	MANOJ KUMAR S	1.40	0.60	0.60	0.60	1.40
44	1RR19EC035	MANOJ M R	1.40	1.40	1.40	1.40	1.40
45	1RR19EC036	MEGHA H V	3.00	3.00	1.40	3.00	3.00
46	1RR19EC037	MEGHANA N	2.20	1.40	1.40	1.40	1.40
47	1RR19EC038	MONIKA M K	2.20	2.20	1.40	2.20	2.20
48	1RR19EC039	MUNEEB GULL	2.20	1.40	1.40	1.40	1.40
49	1RR19EC040	NANDYALA PAVAN KALYAN	1.40	0.60	0.60	0.60	0.60
50	1RR19EC041	NAYANA S R	3.00	3.00	2.20	2.20	3.00
51	1RR19EC042	NITHISH KUMAR S	3.00	1.40	1.40	1.40	3.00
52	1RR19EC043	NITHYA RANI	1.40	0.60	0.60	1.40	1.40
53	1RR19EC044	NITHYA S PRASAD	2.20	3.00	0.60	0.60	1.40
54	1RR19EC045	NITISH YUMNAM	0.60	0.60	0.60	0.60	0.60
55	1RR19EC046	NUTHANA G N	3.00	2.20	1.40	2.20	2.20
56	1RR19EC047	P VENKATA SAI LAKSHMI	1.40	0.60	0.60	0.60	2.20
57	1RR19EC048	PADMITHA S	2.20	1.40	1.40	1.40	3.00
58	1RR19EC049	PAVAN M	3.00	1.40	3.00	2.20	3.00
59	1RR19EC050	PAVITHRA P	3.00	3.00	3.00	3.00	3.00
60	1RR19EC051	POLURU HARIKA	2.20	1.40	1.00	3.00	2.20
61	1RR19EC052	POOJA R	3.00	2.20	2.20	2.20	3.00
62	1RR19EC053	POORVA PAI	3.00	2.20	3.00	3.00	3.00
63	1RR19EC054	PRAJWAL B R	2.20	1.40	0.60	1.40	1.40
64	1RR19EC055	PRAJWAL G	2.20	1.40	0.60	1.40	2.20
65	1RR19EC056	PRAJWAL PRASAD R	1.40	0.60	1.40	0.60	1.40
66	1RR19EC057	PRASHANTH R S	1.40	0.60	0.60	0.60	2.20
67	1RR19EC058	PRATHYUSHA H KUMAR	3.00	2.20	1.40	2.20	2.20
68	1RR19EC059	Punith B	0.60	0.60	0.60	0.60	0.60
69	1RR19EC060	PURIMETLA JAGADEESH	0.60	0.60	0.60	0.60	1.40
70	1RR19EC061	RAHUL M R	0.60	0.60	0.60	1.40	1.40
71	1RR19EC062	RANJITHA L P	0.60	1.40	0.60	0.60	2.20
72	1RR19EC063	RASHMI SHREE N	2.20	2.20	0.60	0.60	2.20
73	1RR19EC064	RITHIN D	0.60	0.60	0.60	0.60	2.20
74	1RR19EC065	ROOPA R	2.20	0.60	0.60	1.40	1.40
75	1RR19EC066	SADHANA R	2.20	2.20	2.20	2.20	1.40
76	1RR19EC067	SAMEER KULKARNI	1.40	1.40	0.60	0.60	1.40
77	1RR19EC069	SANJANA H	2.20	2.20	1.40	2.20	2.20
78	1RR19EC070	SANJAY G S	0.60	0.60	0.60	0.60	1.40
79	1RR19EC071	SANTHOSH GOWDA K R	0.60	0.60	1.40	0.60	2.20
80	1RR19EC072	SHERLIN JAGATH J	3.00	3.00	3.00	3.00	3.00
81	1RR19EC073	SHIVAKUMAR H M	0.60	0.60	0.60	0.60	3.00
82	1RR19EC074	SHREYANK H	2.20	2.20	0.60	2.20	3.00
83	1RR19EC075	SHRUSTI NAVALAGI	0.60	0.60	0.60	0.60	0.60
84	1RR19EC076	SHWETHA	2.20	2.20	1.40	1.40	2.20
85	1RR19EC077	SNEHA G	0.60	0.60	0.60	0.60	0.60
86	1RR19EC078	SNEHA G	1.40	1.40	1.40	0.60	1.40
87	1RR19EC079	SONALI	3.00	1.40	1.40	1.80	2.20
88	1RR19EC080	SPANDANA C S	2.20	2.20	1.40	2.20	3.00
89	1RR19EC081	SUJAY G S	0.60	1.40	0.60	2.20	1.40

90	1RR19EC082	SUKRUTHI R GOWDA	3.00	3.00	2.20	3.00	3.00
91	1RR19EC083	SUPRITHA S	3.00	2.20	2.20	3.00	2.20
92	1RR19EC084	S SURIYA PRABHA	1.40	1.40	0.60	0.60	1.40
93	1RR19EC085	Surya D	0.60	0.60	0.60	1.40	2.20
94	1RR19EC086	SUSHMA G S	1.40	1.40	1.00	1.40	1.40
95	1RR19EC087	SWATHI J	3.00	2.20	0.60	3.00	2.20
96	1RR19EC088	SWETHA S	1.40	2.20	1.40	2.20	2.20
97	1RR19EC089	SYED AVEZ HUSSAIN	2.20	2.20	0.60	1.40	2.20
98	1RR19EC090	TEJAS I TELKAR	3.00	3.00	0.60	3.00	3.00
99	1RR19EC091	THAKSHITH B K	3.00	3.00	1.40	3.00	2.20
100	1RR19EC092	TOUSIF ALI MUZAWAR	3.00	2.20	1.40	2.20	3.00
101	1RR19EC093	TRIKALESHWAR S	3.00	3.00	2.20	3.00	3.00
102	1RR19EC094	TUSHAR KHATAWAKAR N	1.40	0.60	0.60	0.60	2.20
103	1RR19EC095	VARNITHA M SHET	3.00	3.00	2.20	3.00	3.00
104	1RR19EC096	VARSHITH RAJ C R	1.40	0.60	0.60	0.60	2.20
105	1RR19EC097	VARSHITHA D C	0.60	0.60	0.60	0.60	0.60
106	1RR19EC098	C Varun .	0.60	0.60	0.60	0.60	2.20
107	1RR19EC099	VARUN RAJ C R	3.00	3.00	0.60	2.20	3.00
108	1RR19EC100	VINAY H R	1.40	1.40	0.60	1.40	1.40
109	1RR19EC101	VISHWANATH B S	1.40	2.20	0.60	1.40	1.40
110	1RR19EC102	VISHWAS B	2.20	0.60	0.60	1.40	1.40
111	1RR19EC103	YASHAS J	1.40	1.40	0.60	1.40	3.00
112	1RR19EC104	YATHEESH R B	1.40	0.60	0.60	1.40	0.60
113	1RR20EC400	MADESHA N	1.40	0.60	0.60	1.40	1.40

OVERALL ATTAINMENT STATISTICS:

ATTAINMENT	CO1		CO2		CO3		CO4		CO5	
	# of students	Perc	# of students	Perc	# of students	Perc	# of students	Perc	# of students	Perc
Attainment >=2.5	27	23.89	18	15.93	9	7.96	15	13.27	29	25.66
Attainment >=2.0 & <2.5	25	22.12	25	22.12	16	14.16	18	15.93	35	30.97
Attainment >=1.5 & <2.0	0	0.00	0	0.00	0	0.00	1	0.88	0	0.00
Attainment >=1.0 & <1.5	34	30.09	22	19.47	28	24.78	31	27.43	31	27.43
Attainment <1.0	27	23.89	48	42.48	60	53.10	48	42.48	18	15.93

In a Nutshell:

students have attainment of 3 : 41 in CO1; 28 in CO2; 21 in CO3; 64 in CO4; 31 in CO5

FINAL CO ATTAINMENT:

CO1	CO2	CO3	CO4	CO5
1.77	1.49	1.21	1.40	1.93

AVERAGE ATTAINMENT: 1.56

CALCULATION OF PO ATTAINMENT:

CO – PO matrix of the course:

Table I: CO – PO Mapping of the course

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
18EC72	3	3	3	2	3	0	0	0	0	1	0	1

For 18EC72-PO1:

PO attainment value = (Average of Corresponding cell value from Table I x Overall CO attainment value for course 18EC72)/3

$$= (3*1.56)/3 = 1.56$$

Similarly all other PO's...

FINAL PO ATTAINMENT of 18EC72

Table II: FINAL PO Attainment of the course

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
18EC72	1.56	1.56	1.56	1.04	1.56	0.00	0.00	0.00	0.00	0.52	0.00	0.52

CO - PSO matrix of the course:

Table III: CO - PSO Mapping of the course

18EC72	PSO1	PSO 2
	3	2.2

For 18EC72-PSO1:

PSO attainment value = (Average of Corresponding cell value from Table III x Overall CO attainment value for course 18EC72)/3

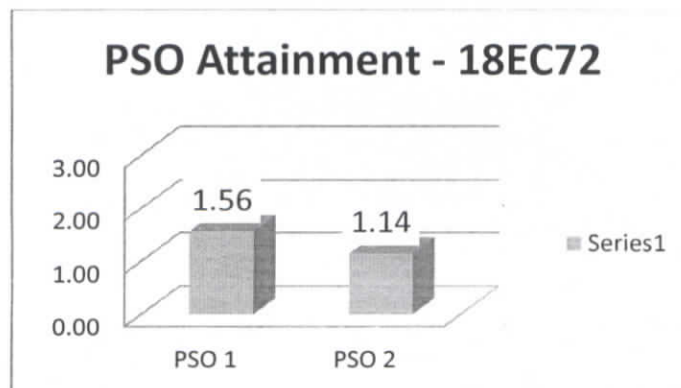
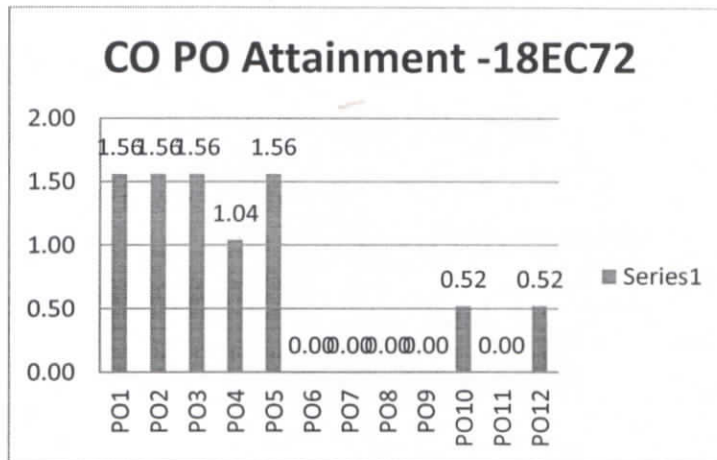
$$= (3 * 1.56) / 3 = 1.56$$

$$\text{PSO 2: } (2.2 * 1.56) / 3 = 1.14$$

FINAL PSO ATTAINMENT of 18EC72

Table IV: Final PSO Attainment of the course

18EC72	PSO1	PSO 2
	1.56	1.14



C. K. Sreedh

DEPT. OF ELECTRONICS & COMMUNICATIONS
RAJIV GANDHI COLLEGE OF ENGINEERING
KANNUR



**RAJARAJESWARI COLLEGE OF ENGINEERING
KUMBALAGODU, BANGALORE-74**



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Academic Session: 2022- 2023 (ODD sem)

COURSE TARGET SET AND ATTAINMENT REPORT

Name of the Faculty: Haritha. K. Sivaraman

Subject Code: 18EC55

Subject: Electromagnetic Waves

For assessment purpose both Internals and Externals (VTU Exam) is considered as direct attainment.

For FINAL IA

Set target: 60% of the students to score 60% of the maximum marks (24 out of 40)

Assessment Outcome	Attainment Level
If 60% achieved	3
55 – 59%	2
50 – 55%	1
Less than 49 %	0

Total # of students	56
65% of the students to score 60% of the maximum marks (24 out of 40)	37
% of students who scored this target	64.9
Remarks	TARGET ACHIEVED
Attainment Level	3

FOR DIRECT ATTAINMENT: (40% Internals + 60% Externals)

NOTE: Target calculation is done excluding students who are not eligible to take up the SEE.

METHOD:

Same target is identified for all the CO's of a course. For example – the target can be 70% of the maximum marks to be scored

CO's	Set target	Attainment Level
CO1	60%	If achieved – 3 55 – 59 % - 2 50 – 54 % - 1 Less than 50% - 0
CO2	60%	
CO3	60%	
CO4	60%	
CO5	60%	

CASE STUDY: distribution of performance among the students.

Sl. #	USN	Name of the student	Target Achieved				
			CO1	CO2	CO3	CO4	CO5
1	1RR20EC001	A Madhusudhan	NO	NO	NO	NO	NO
2	1RR20EC002	Aishwarya M	YES	YES	YES	YES	YES
3	1RR20EC003	Akshay kumar R	NO	NO	NO	NO	NO
4	1RR20EC004	B M Rohith	NO	NO	NO	NO	NO
5	1RR20EC005	Bhavana K N	YES	NO	NO	YES	NO
6	1RR20EC006	Bhavana N	YES	NO	NO	NO	NO
7	1RR20EC007	Bhoomika M	YES	YES	YES	YES	YES
8	1RR20EC008	Bhoomika Rathore	NO	NO	NO	NO	NO

9	1RR20EC009	C Pavan	NO	NO	NO	NO	NO
10	1RR20EC010	C Tejeswar Reddy	NO	NO	NO	NO	NO
11	1RR20EC012	Chirag N	NO	NO	NO	NO	NO
12	1RR20EC014	Deepak L	NO	NO	NO	NO	NO
13	1RR20EC015	Deepika V	NO	NO	NO	NO	NO
14	1RR20EC016	Deepthi P D	NO	NO	NO	NO	NO
15	1RR20EC017	Dhanajaya	YES	YES	YES	YES	YES
16	1RR20EC018	Dhanushree N	YES	NO	YES	NO	YES
17	1RR20EC019	Dhanushree N A	NO	NO	NO	NO	NO
18	1RR20EC020	Elavarasan E	NO	NO	NO	NO	NO
19	1RR20EC021	Gunashakar S	YES	NO	NO	NO	NO
20	1RR20EC022	Harshitha B	YES	NO	NO	NO	NO
21	1RR20EC023	Harshitha P	NO	NO	NO	NO	NO
22	1RR20EC024	Jathin B R	NO	NO	NO	NO	NO
23	1RR20EC025	Jithendra Nayak H N	NO	NO	NO	NO	NO
24	1RR20EC026	K Jai Akhil	NO	NO	NO	NO	NO
25	1RR20EC027	Kalpitha R Gowda	NO	NO	NO	NO	NO
26	1RR20EC028	Kannika M P	NO	NO	NO	NO	NO
27	1RR20EC029	Likhitha S	NO	NO	NO	NO	NO
28	1RR20EC030	Madhushree N	NO	NO	NO	NO	NO
29	1RR20EC031	Mallika S	YES	NO	YES	NO	YES
30	1RR20EC032	Mohammed Taheer	NO	NO	NO	NO	NO
31	1RR20EC033	Mahammed Tahir Hussain	YES	YES	YES	YES	NO
32	1RR20EC034	Nagamallesh N	YES	NO	YES	YES	YES
33	1RR20EC035	Navyashree M R	YES	NO	NO	NO	NO
34	1RR20EC036	Neelavathi S	YES	NO	NO	YES	NO
35	1RR20EC037	Prajwal M	YES	NO	NO	NO	NO
36	1RR20EC038	Priyanka M	YES	YES	YES	YES	YES
37	1RR20EC039	Pruthvi T G	NO	NO	NO	NO	NO
38	1RR20EC040	Pruthvishree S N	YES	YES	YES	YES	YES
39	1RR20EC041	Raksha M	YES	NO	NO	NO	NO
40	1RR20EC042	Rakshitha Gowda S	YES	NO	NO	NO	NO
41	1RR20EC043	Rakshith S	NO	NO	NO	YES	NO
42	1RR20EC044	Rakshitha M R	NO	NO	NO	NO	NO
43	1RR20EC045	Shivakrishna M	NO	NO	NO	NO	NO
44	1RR20EC046	Shreyas D M	YES	NO	NO	NO	NO
45	1RR20EC048	Siddesh Gowda S	YES	NO	YES	YES	NO
46	1RR20EC049	Sinchana V	YES	YES	NO	NO	YES
47	1RR20EC050	Srinidhi R K	YES	YES	YES	YES	YES
48	1RR20EC051	Tejaswini S	NO	NO	NO	NO	NO
49	1RR20EC052	Ujwal E	NO	NO	NO	NO	NO
50	1RR20EC053	V P Nikhil Kumar	YES	NO	NO	NO	NO
51	1RR20EC054	Varun kuamr N	NO	NO	YES	NO	NO
52	1RR20EC055	Varun T R	NO	NO	NO	NO	NO
53	1RR20EC056	Vidyashree L r	YES	NO	NO	NO	YES
54	1RR21EC400	Bhuvanewari	NO	NO	NO	NO	NO
55	1RR21EC401	Poornima R	NO	NO	NO	NO	NO
56	1RR21EC402	Vidyashree B P	YES	YES	YES	YES	YES

FOR INDIRECT ATTAINMENT:

CO's	Set target	Attainment Level
CO1	80%	If achieved – 3 70 – 79 % - 2 60 – 69 % - 1 Less than 60% - 0
CO2	80%	
CO3	80%	
CO4	80%	
CO5	80%	

FOR CO ATTAINMENT: (considering Course Exit Survey)

CO's	Set target	Attainment Level
CO1	80%	If achieved – 3 60 – 79 % - 2 50 – 59 % - 1 Less than 50% - 0
CO2	80%	
CO3	80%	
CO4	80%	
CO5	80%	

FOR FINAL CALCULATION CO ATTAINMENT LEVEL: (considering Course Exit Survey)

80% of DA + 20% of IDA

Sl. #	USN	Name of the student	Target Achieved				
			CO1	CO2	CO3	CO4	CO5
1	1RR20EC001	A Madhusudhan	2.20	2.20	2.20	1.40	1.40
2	1RR20EC002	Aishwarya M	3.00	2.20	3.00	3.00	3.00
3	1RR20EC003	Akshay kumar R	0.60	0.60	0.60	0.60	0.60
4	1RR20EC004	B M Rohith	0.60	0.60	0.60	0.60	0.60
5	1RR20EC005	Bhavana K N	3.00	2.20	2.20	3.00	2.20
6	1RR20EC006	Bhavana N	3.00	2.20	2.20	2.20	1.40
7	1RR20EC007	Bhoomika M	3.00	3.00	3.00	3.00	3.00
8	1RR20EC008	Bhoomika Rathore	0.60	0.60	0.60	0.60	0.60
9	1RR20EC009	C Pavan	0.60	0.60	0.60	0.60	0.60
10	1RR20EC010	C Tejeswar Reddy	0.60	0.60	0.60	0.60	0.60
11	1RR20EC012	Chirag N	0.60	0.60	1.40	0.60	0.60
12	1RR20EC014	Deepak L	0.60	3.00	0.60	0.60	0.60
13	1RR20EC015	Deepika V	2.20	2.20	2.20	2.20	0.60
14	1RR20EC016	Deepthi P D	1.40	0.60	1.40	0.60	0.60
15	1RR20EC017	Dhanajaya	3.00	3.00	3.00	3.00	3.00
16	1RR20EC018	Dhanushree N	3.00	1.40	3.00	1.40	3.00
17	1RR20EC019	Dhanushree N A	2.20	0.60	0.60	0.60	2.20
18	1RR20EC020	Elavarasan E	2.20	0.60	1.40	0.60	0.60
19	1RR20EC021	Gunashekar S	3.00	2.20	2.20	1.40	1.40
20	1RR20EC022	Harshitha B	3.00	1.40	2.20	2.20	1.40
21	1RR20EC023	Harshitha P	2.20	1.40	1.40	0.60	1.40
22	1RR20EC024	Jathin B R	2.20	0.60	1.40	2.20	0.60
23	1RR20EC025	Jithendra Nayak H N	0.60	0.60	0.60	0.60	0.60
24	1RR20EC026	K Jai Akhil	0.60	0.60	1.40	1.40	0.60
25	1RR20EC027	Kalpitha R Gowda	2.20	0.60	1.40	0.60	0.60
26	1RR20EC028	Kannika M P	2.20	2.20	2.20	2.20	0.60
27	1RR20EC029	Likhitha S	2.20	1.40	2.20	2.20	1.40
28	1RR20EC030	Madhushree N	1.40	1.40	1.40	0.60	0.60
29	1RR20EC031	Mallika S	3.00	2.20	3.00	2.20	3.00
30	1RR20EC032	Mohammed Taheer	2.20	0.60	2.20	0.60	0.60
31	1RR20EC033	Mahammed Tahir Hussain	3.00	3.00	3.00	3.00	2.20
32	1RR20EC034	Nagamalles N	3.00	2.20	3.00	3.00	3.00
33	1RR20EC035	Navyashree M R	3.00	0.60	2.20	1.40	1.40
34	1RR20EC036	Neelavathi S	3.00	2.20	2.20	3.00	2.20
35	1RR20EC037	Prajwal M	3.00	1.40	1.40	2.20	0.60
36	1RR20EC038	Priyanka M	3.00	3.00	3.00	3.00	3.00
37	1RR20EC039	Pruthvi T G	2.20	0.60	0.60	0.60	0.60
38	1RR20EC040	Pruthvishree S N	3.00	3.00	3.00	3.00	3.00
39	1RR20EC041	Raksha M	3.00	1.40	2.20	2.20	1.40
40	1RR20EC042	Rakshitha Gowda S	3.00	1.40	2.20	1.40	1.40
41	1RR20EC043	Rakshitha S	2.20	1.40	2.20	3.00	0.60
42	1RR20EC044	Rakshitha M R	1.40	0.60	1.40	0.60	0.60
43	1RR20EC045	Shivakrishna M	0.60	0.60	0.60	3.00	0.60
44	1RR20EC046	Shreyas D M	3.00	0.60	1.40	2.20	1.40
45	1RR20EC048	Siddesh Gowda S	3.00	2.20	3.00	3.00	2.20
46	1RR20EC049	Sinchana V	3.00	3.00	2.20	2.20	3.00
47	1RR20EC050	Srinidhi R K	3.00	3.00	3.00	3.00	3.00
48	1RR20EC051	Tejaswini S	0.60	0.60	0.60	0.60	0.60
49	1RR20EC052	Ujwal E	2.20	0.60	1.40	0.60	1.40

50	1RR20EC053	V P Nikhil Kumar	3.00	1.40	0.60	0.60	1.40
51	1RR20EC054	Varun kuamr N	2.20	1.40	3.00	2.20	2.20
52	1RR20EC055	Varun T R	2.20	0.60	1.40	0.60	0.60
53	1RR20EC056	Vidyashree L r	3.00	2.20	1.40	2.20	3.00
54	1RR21EC400	Bhuvaneswari	1.40	2.20	2.20	1.40	2.20
55	1RR21EC401	Poornima R	0.60	2.20	0.60	0.60	0.60
56	1RR21EC402	Vidyashree B P	3.00	3.00	3.00	3.00	3.00

OVERALL ATTAINMENT STATISTICS:

ATTAINMENT	CO1		CO2		CO3		CO4		CO5	
	# of students	Perc	# of students	Perc	# of students	Perc	# of students	Perc	# of students	Perc
Attainment >=2.5	25	44.64	9	16.07	13	23.21	14	25.00	12	21.43
Attainment >=2.0 & <2.5	15	26.79	14	25.00	16	28.57	13	23.21	7	12.50
Attainment >=1.5 & <2.0	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Attainment >=1.0 & <1.5	4	7.14	11	19.64	14	25.00	7	12.50	12	21.43
Attainment <1.0	12	21.43	22	39.29	13	23.21	22	39.29	25	44.64

In a Nutshell: 25 students have attainment of 3 in CO1; 9 in CO2; 13 in CO3; 14 in CO4 and 12 in CO5.

FINAL CO ATTAINMENT:

CO1	CO2	CO3	CO4	CO5
2.16	1.54	1.81	1.67	1.49

AVERAGE ATTAINMENT: 1.73

CALCULATION OF PO ATTAINMENT:

CO – PO matrix of the course:

Table I: CO – PO Mapping of the course

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
18EC55	3	2.6	2.2	2	0	0	0	0	0	1	0	2

For 18EC55-PO1:

PO attainment value = (Average of Corresponding cell value from Table I x Overall CO attainment value for course 18EC55)/3
 $= (3 \times 1.73) / 3 = 1.73$

Similarly all other PO's...

FINAL PO ATTAINMENT of 18EC45

Table II: FINAL PO Attainment of the course

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
18EC55	1.73	1.50	1.27	1.16	0.00	0.00	0.00	0.00	0.00	0.58	0.00	1.16

CO – PSO matrix of the course:

Table III: CO – PSO Mapping of the course

18EC55	PSO1	PSO 2
	3	2.2

For 18EC55 -PSO1:

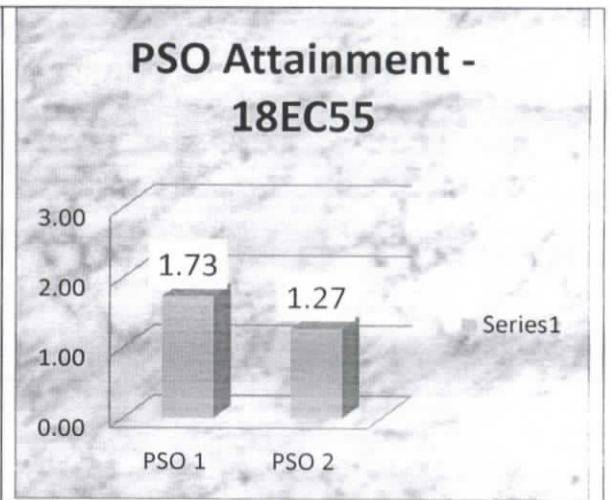
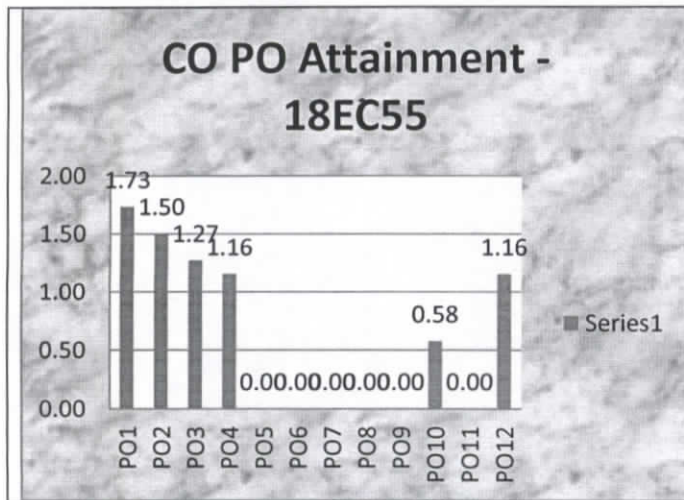
PSO attainment value = (Average of Corresponding cell value from Table III x Overall CO attainment value for course 18EC55)/3

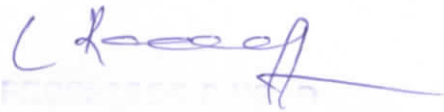
$$= (3 * 1.73)/3 = 1.73$$

FINAL PSO ATTAINMENT of 18EC55

Table IV: Final PSO Attainment of the course

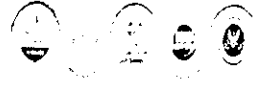
18EC55	PSO1	PSO 2
	1.73	1.27




 DEPT. OF ELECTRONICS & COMMUNICATIONS
 RAJAJIYANAR ENGINEERING COLLEGE,
 BENSALURU-501 004



**RAJARAJESWARI COLLEGE OF ENGINEERING
KUMBALAGODU, BANGALORE-74**



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Academic Session: 2022-23 ODD SEM

COURSE TARGET SET AND ATTAINMENT REPORT

Name of the Faculty: Mrs. Haritha. K. Sivaraman
Subject Code: 18EC741
Subject: IOT & WSN

For assessment purpose both Internals and Externals (VTU Exam) is considered as direct attainment.

For FINAL IA

Set target: 60% of the students to score 60% of the maximum marks (24 out of 40)

Assessment Outcome	Attainment Level
If 60% achieved	3
55 – 59%	2
50 – 55%	1
Less than 49 %	0

Total # of students	39
No. of the students to score 60% of the maximum marks (24 out of 40)	25
% of students who scored this target	64.10
Remarks	TARGET ACHIEVED
Attainment Level	3

FOR DIRECT ATTAINMENT: (40% Internals + 60% Externals)

NOTE: Target calculation is done excluding students who are not eligible to take up the SEE.

METHOD:

Same target is identified for all the CO's of a course. For example – the target can be 70% of the maximum marks to be scored

CO's	Set target	Attainment Level
CO1	60%	If achieved – 3 55 – 59 % - 2 50 – 54 % - 1 Less than 50% - 0
CO2	60%	
CO3	60%	
CO4	60%	
CO5	60%	

CASE STUDY: distribution of performance among the students.

Sl. #	USN	Name of the student	Target Achieved				
			CO1	CO2	CO3	CO4	CO5
1	1RR19EC009	Chaithra A.	NO	YES	NO	NO	NO
2	1RR19EC012	Chethan A Karigowdar	NO	YES	NO	NO	NO
3	1RR19EC014	Dhanush D	NO	YES	NO	NO	NO
4	1RR19EC016	Divya Raghuram Prabhu	NO	YES	NO	NO	NO
5	1RR19EC020	Gowtham D M	YES	YES	NO	NO	NO
6	1RR19EC028	KEERTHI B N	YES	YES	NO	NO	NO

7	1RR19EC030	LOKNATH N	NO	YES	NO	NO	NO
8	1RR19EC036	MEGHA H V	NO	YES	NO	NO	NO
9	1RR19EC037	MEGHANA N	YES	YES	NO	NO	NO
10	1RR19EC038	MONIKA M K	YES	YES	NO	YES	NO
11	1RR19EC039	MUNEEB GULL	NO	YES	NO	NO	NO
12	1RR19EC040	NANDYALA PAVAN KALYAN	NO	YES	NO	NO	NO
13	1RR19EC041	NAYANA S R	NO	YES	NO	NO	NO
14	1RR19EC043	NITHYA RANI N	YES	YES	NO	NO	NO
15	1RR19EC044	NITHYA S PRASAD	NO	YES	NO	NO	NO
16	1RR19EC045	NITISH YUMNAM	NO	YES	NO	NO	NO
17	1RR19EC046	NUTHANA G N	NO	YES	NO	NO	NO
18	1RR19EC050	PAVITHRA P	NO	YES	NO	NO	NO
19	1RR19EC053	POORVA PAI	YES	YES	NO	NO	NO
20	1RR19EC054	PRAJWAL B R	NO	YES	NO	NO	NO
21	1RR19EC056	PRAJWAL PRASAD R	NO	YES	NO	NO	NO
22	1RR19EC059	Punith B	NO	YES	NO	NO	NO
23	1RR19EC064	RITHIN D	NO	YES	NO	NO	NO
24	1RR19EC065	ROOPA R	NO	YES	NO	YES	NO
25	1RR19EC066	SADHANA R	YES	YES	NO	NO	NO
26	1RR19EC076	SHWETHA	YES	YES	NO	NO	NO
27	1RR19EC078	SNEHA G	NO	YES	NO	NO	NO
28	1RR19EC079	SONALI	NO	YES	NO	YES	NO
29	1RR19EC082	SUKANTH R GOWDA	YES	YES	NO	NO	NO
30	1RR19EC083	SUPRITHA S	YES	YES	NO	NO	NO
31	1RR19EC084	S SURIYA PRABHA	NO	YES	NO	NO	NO
32	1RR19EC086	SUSHMA G S	NO	YES	NO	NO	NO
33	1RR19EC094	TUSHAR KHATAWAKAR N	NO	YES	NO	NO	NO
34	1RR19EC098	Varun .C	NO	YES	NO	NO	NO
35	1RR19EC103	YASHAS J	NO	YES	NO	NO	NO

FOR INDIRECT ATTAINMENT:

CO's	Set target	Attainment Level
CO1	80%	If achieved – 3 70 – 79 % - 2 60 – 69 % - 1 Less than 60% - 0
CO2	80%	
CO3	80%	
CO4	80%	
CO5	80%	

FOR CO ATTAINMENT: (considering Course Exit Survey)

CO's	Set target	Attainment Level
CO1	80%	If achieved – 3 60 – 79 % - 2 50 – 59 % - 1 Less than 50% - 0
CO2	80%	
CO3	80%	
CO4	80%	
CO5	80%	

FOR FINAL CALCULATION CO ATTAINMENT LEVEL: (considering Course Exit Survey)

80% of DA + 20% of IDA

Sl. #	USN	Name of the student	Target Achieved				
			CO1	CO2	CO3	CO4	CO5
1	1RR19EC009	Chaithra A .	2.20	2.20	1.40	2.20	1.4
2	1RR19EC012	Chethan A Karigowdar	0.60	0.60	0.60	1.40	1.4
3	1RR19EC014	Dhanush D	2.20	2.20	2.20	3.00	2.2
4	1RR19EC016	Divya Raghuram Prabhu	1.80	1.00	1.80	1.00	1
5	1RR19EC020	Gowtham D M	3.00	2.20	3.00	3.00	1.4
6	1RR19EC028	KEERTHI B N	3.00	3.00	3.00	3.00	2.2
7	1RR19EC030	LOKNATH N	2.20	1.80	2.60	3.00	3
8	1RR19EC036	MEGHA H V	2.20	2.20	2.20	2.20	1.4
9	1RR19EC037	MEGHANA N	3.00	3.00	3.00	3.00	3
10	1RR19EC038	MONIKA M K	3.00	3.00	2.20	3.00	1.4
11	1RR19EC039	MUNEEB GULL	2.20	2.20	2.20	3.00	1.4
12	1RR19EC040	NANDYALA PAVAN KALYAN	1.40	1.40	1.40	2.20	0.6
13	1RR19EC041	NAYANA S R	1.40	2.20	3.00	3.00	1.4

14	1RR19EC043	NITHYA RANI N	3.00	3.00	3.00	3.00	2.2
15	1RR19EC044	NITHYA S PRASAD	0.20	1.00	1.00	1.80	0.2
16	1RR19EC045	NITISH YUMNAM	0.60	0.60	0.60	1.40	0.6
17	1RR19EC046	NUTHANA G N	2.20	3.00	3.00	3.00	2.2
18	1RR19EC050	PAVITHRA P	2.20	1.80	3.00	3.00	2.2
19	1RR19EC053	POORVA PAI	3.00	3.00	2.20	3.00	2.2
20	1RR19EC054	PRAJWAL B R	2.20	1.40	1.40	1.40	1.4
21	1RR19EC056	PRAJWAL PRASAD R	1.40	0.60	0.60	1.40	0.6
22	1RR19EC059	Punith B	0.60	0.60	0.60	0.60	0.6
23	1RR19EC064	RITHIN D	0.60	0.60	1.40	1.40	0.6
24	1RR19EC065	ROOPA R	1.40	2.20	1.40	2.20	2.2
25	1RR19EC066	SADHANA R	3.00	3.00	3.00	3.00	3
26	1RR19EC076	SHWETHA	2.60	1.80	2.60	1.80	1.8
27	1RR19EC078	SNEHA G	1.80	1.00	1.80	1.00	0.2
28	1RR19EC079	SONALI	2.20	3.00	2.20	3.00	2.2
29	1RR19EC082	SUJATHA R GOWDA	3.00	3.00	3.00	3.00	2.2
30	1RR19EC083	SUPRITHA S	3.00	2.20	2.20	3.00	1.4
31	1RR19EC084	S SURIYA PRABHA	1.40	0.60	1.40	1.40	0.6
32	1RR19EC086	SUSHMA G S	2.20	2.20	2.20	2.20	2.2
33	1RR19EC094	TUSHAR KHATAWAKAR N	2.20	0.60	1.40	1.00	0.6
34	1RR19EC098	Varun .C	0.60	0.60	0.60	1.40	0.6
35	1RR19EC103	YASHAS J	1.40	1.40	2.20	1.40	1.4

OVERALL ATTAINMENT STATISTICS:

ATTAINMENT	CO1		CO2		CO3		CO4		CO5	
	# of students	Perc	# of students	Perc	# of students	Perc	# of students	Perc	# of students	Perc
Attainment >=2.5	10	8.85	9	7.96	11	9.73	16	14.16	3	2.65
Attainment >=2.0 &<2.5	11	9.73	9	7.96	9	7.96	5	4.42	10	8.85
Attainment >=1.5 &<2.0	2	1.77	3	2.65	2	1.77	2	1.77	1	0.88
Attainment >=1.0 &<1.5	6	5.31	6	5.31	8	7.08	11	9.73	11	9.73
Attainment <1.0	6	5.31	8	7.08	5	4.42	1	0.88	10	8.85

In a Nutshell: 10 students have attainment of 3 in CO1; 9 in CO2; 11 in CO3; 16 in CO4 and 3 in CO5.

FINAL CO ATTAINMENT:

CO1	CO2	CO3	CO4	CO5
1.97	1.83	1.98	2.21	1.51

AVERAGE ATTAINMENT: 1.902

CALCULATION OF PO ATTAINMENT:

CO – PO matrix of the course:

Table 1: CO – PO Mapping of the course

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
18EC741	3	2	2	2.6	0	0	1	1	0	1	0	1

For 18EC741 -PO1:

PO attainment value = (Average of Corresponding cell value from Table 1 x Overall CO attainment value for course 18EC741)/3
 $= (3*1.9)/3 = 1.9$

Similarly all other PO's...

FINAL PO ATTAINMENT of 18EC741

Table II: FINAL PO Attainment of the course

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
18EC741	1.90	1.27	1.27	1.65	0.00	0.00	0.00	0.63	0.00	0.63	0.00	0.63

CO – PSO matrix of the course:

Table III: CO – PSO Mapping of the course

18EC741	PSO1	PSO 2
	3	2

For 18EC741-PSO1:

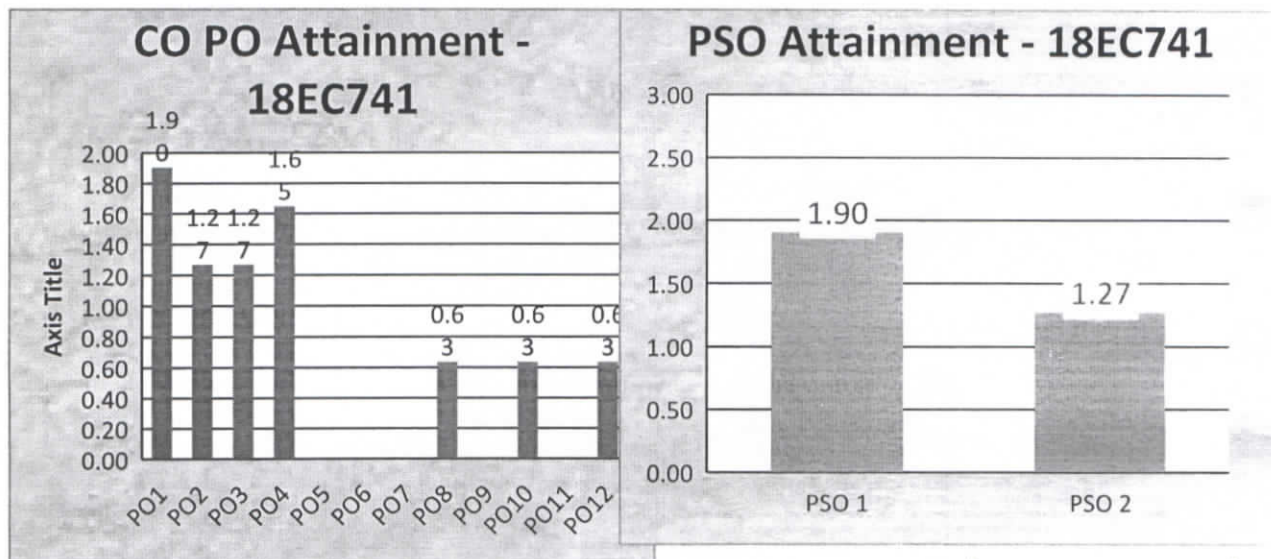
PSO attainment value = (Average of Corresponding cell value from Table III x Overall CO attainment value for course 18EC741)/3

$$= (3 * 1.9)/3 = 1.9$$

FINAL PSO ATTAINMENT of 18EC741

Table IV: Final PSO Attainment of the course

18EC741	PSO1	PSO 2
	1.90	1.27



L. K. K. K. K. K. K.
DEPT. OF
RAJAS
ENGINEERING

COURSE TARGET SET AND ATTAINMENT REPORT

Subject Code:18CS81

Subject: INTERNET OF THINGS

For assessment purpose both Internals and Externals (VTU Exam) is considered as direct attainment.

For FINAL IA

Set target: 84% of the students have score 70% of the maximum marks (20 out of 40)

Assessment outcome	Attainment Level
If 75% achieved	3
65 – 74%	2
55 – 64%	1
Less than 55 %	0

Total # of students	46
75% of the students to score 70% of the maximum marks (20 out of 40)	46
% of students who scored this target	100
Remarks	TARGET ACHIEVED
Attainment Level	3

FOR DIRECT ATTAINMENT: (40% Internals + 60% Externals)

NOTE: Target calculation is done excluding students who are not eligible to take up the SEE.

METHOD:

Same target is identified for all the CO's of a course. For example – the target can be 70% of the maximum marks to be scored

CO's	Set target	Attainment Level
CO1	60%	If achieved – 3
CO2	60%	59 – 55 % - 2
CO3	60%	54 – 50% - 1
CO4	60%	Less than 50% - 0

CASE STUDY: distribution of performance among the students.

FOR INDIRECT ATTAINMENT:

CO's	Set target	Attainment Level
C01	75%	If achieved - 3 65 - 74 % - 2 55 - 64 % - 1 Less than 55% - 0
C02	75%	
C03	75%	
C04	75%	

FOR CO ATTAINMENT: (considering Course End Survey)

CO's	Set target	Attainment Level
C01	70%	If achieved - 3 60 - 69 % - 2 50 - 59 % - 1 Less than 50% - 0
C02	70%	
C03	70%	
C04	70%	

FOR FINAL CALCULATION CO ATTAINMENT LEVEL: (considering Course End Survey)

60% of DA + 40% of ID

OVERALL ATTAINMENT STATISTICS:

ATTAINMENT	C01		C02		C03		C04		C05	
	# of students	Perc	# of students	Perc	# of students	Per c	# of students	Perc	# of students	Perc
ATTAINMENT >= 2.5	9	5.59	22	13.66	16	9.94	9	5.59	13	8.07
ATTAINMENT >= 2.0 & 2.5	4	2.48	4	2.48	7	4.35	5	3.11	7	4.35
ATTAINMENT >= 1.5 & 2.0	3	1.86	2	1.24	3	1.86	4	2.48	4	2.48
ATTAINMENT >= 1.0 & 1.5	13	8.07	10	6.21	6	3.73	11	6.83	8	4.97
ATTAINMENT < 1.0	17	10.56	8	4.97	14	8.70	17	10.56	14	8.70

FINAL CO ATTAINMENT:

CO1	CO2	CO3	CO4	Co5
1.42	1.97	1.77	1.45	1.62

AVERAGE ATTAINMENT: 1.64

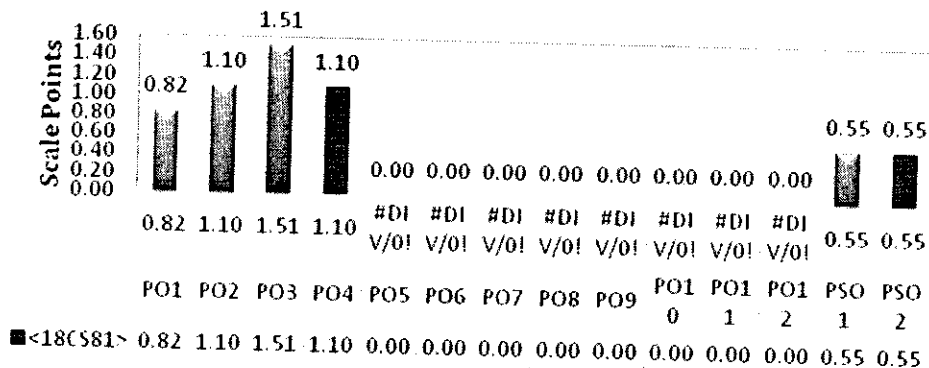
CALCULATION OF PO ATTAINMENT:

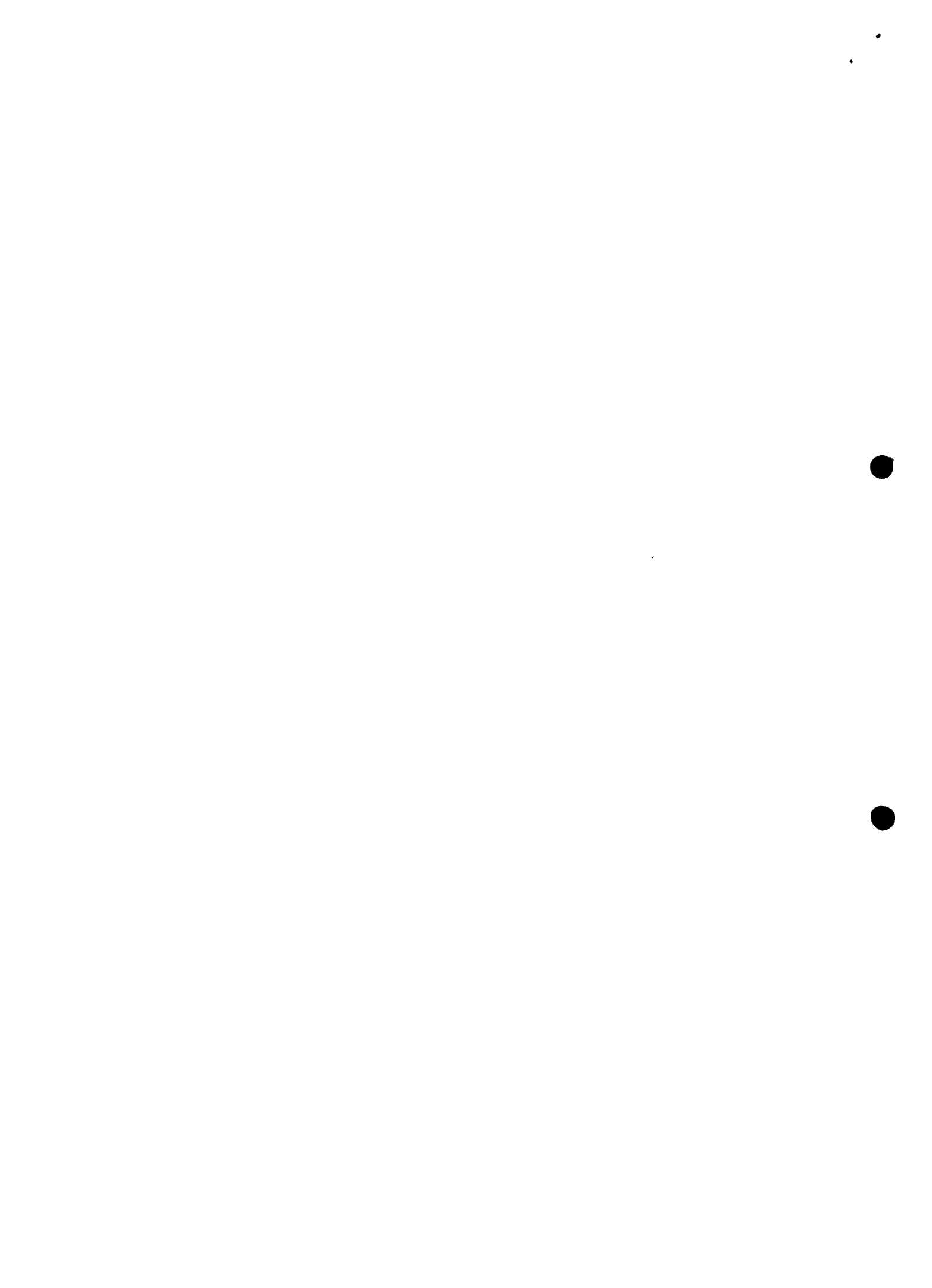
CO - PO matrix of the course:

Table II: CO - PO Mapping of the course

18CS81	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
AVG	0.82	1.10	1.51	1.10	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Graph for PO's Attainment





RAJARAJESWARI COLLEGE OF ENGINEERING
DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING
Academic Session: 2022-23(Even semester)

COURSE TARGET SET AND ATTAINMENT REPORT

Name of the Faculty: MRS. T. RATHI DEVI
 Subject Code: 18CS822
 Subject: STORAGE AREA NETWORK

For assessment purpose both Internals and Externals (VTU Exam) is considered as direct attainment.

For FINAL IA

Set target: 84% of the students have score 70% of the maximum marks (14 out of 20)

Assessment outcome	Attainment Level
If 75% achieved	3
65 - 74%	2
55 - 64%	1
Less than 55 %	0

Total # of students	46
75% of the students to score 70% of the maximum marks	46
% of students who scored this target	100%
Remarks	TARGET ACHIEVED
Attainment Level	3

FOR DIRECT ATTAINMENT: (40% Internals + 60% Externals)

NOTE: Target calculation is done excluding students who are not eligible to take up the SEE.

METHOD:

Same target is identified for all the CO's of a course. For example - the target can be 70% of the maximum marks to be scored

CO's	Set target	Attainment Level
C01	60%	If achieved - 3
C02	60%	59 - 55 % - 2
C03	60%	54 - 50% - 1
C04	60%	Less than 50% - 0
C05	60%	

CASE STUDY: distribution of performance among the students.

FOR INDIRECT ATTAINMENT:

CO's	Set target	Attainment Level
C01	75%	If achieved - 3
C02	75%	65 - 74 % - 2
C03	75%	55 - 64 % - 1
C04	75%	Less than 55% - 0
C05	75%	

FOR CO ATTAINMENT: (considering Course End Survey)

CO's	Set target	Attainment Level
C01	70%	If achieved - 3 60 - 69 % - 2 50 - 59 % - 1 Less than 50% - 0
C02	70%	
C03	70%	
C04	70%	
C05	70%	

FOR FINAL CALCULATION CO ATTAINMENT LEVEL: (considering Course End Survey)

80% of DA + 20% of ID

OVERALL ATTAINMENT STATISTICS:

ATTAINMENT	C01		C02		C03		C04		C05	
	# of students	Perc	# of students	Perc	# of students	Perc	# of students	Perc	# of students	Perc
ATTAINMENT >= 2.5	42	84	42	84	42	84	42	84	42	84
ATTAINMENT >= 2.0 & 2.5	3	6	3	6	3	6	3	6	3	6
ATTAINMENT >= 1.5 & 2.0	1	2	1	2	0	0	0	0	1	2
ATTAINMENT >= 1.0 & 1.5	0	0	0	0	1	2	0	0	1	2
ATTAINMENT < 1.0	0	0	0	0	0	0	0	0	0	0

In a Nutshell:

2 students have attainment of 3 in C01; 1 in C02; 3 in C03, 3 in C04 and 3 in C05
1 student have attainment of 4 in all COs

FINAL CO ATTAINMENT:

C01	C02	C03	C04	C05
2.93	2.93	2.91	2.91	2.93

AVERAGE ATTAINMENT: 2.93

CO - PSO matrix of the course:

Table III: CO - PSO Mapping of the course

18CS822	PSO1	PSO 2
	1.60	1.75

