

ATTAINMENT OF PO & CO



**PRINCIPAL
RAMIREDDY SUBBARAMI REDDY
ENGINEERING COLLEGE
NH-5, KADANUTHALA - 524 142.**

CO PO MAPPING

***SAMPLE CO ATTAINMENT CALCULATION-
THEORY***

RAMIREDDY SUBBARAMI REDDY ENGINEERING COLLEGE

College
code **3R**

N.H.5, KADANUTHALA - 524 142, KAVALI, S.P.S. NELLORE DT.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CO ATTAINMENT

Department	: COMPUTER SCIENCE & ENGINEERING
Batch	: 2017-2021 (R15)
Course Code & Title	: 15A05802 & MOBILE COMPUTING
Semester/Year/SEC	: IV YEAR - II SEM
Faculty Name	: Mr. S.V. CHIRANJEEVI
Total Students	100

Internal Assessment	
% students attained CO(X)	CO Level
X >= 75%	3
50% <= X < 75%	2
X < 50%	1

University Exam	
% students attained CO(X)	CO Level
≥ 60%	3
40 % - 60%	2
≤ 40%	1

Weightage	
INT	UNIV. EXAM
30%	70%
CO TARGET	1.8

S.No	HT No.	MID EXAM I														MID EXAM II														Univ. Marks
		Q1 A	Q1 B	Q1 C	Q1 D	Q1 E	Q2 A	Q2 B	Q3 A	Q3 B	Q4 A	Q4 B	Q5 A	Q5 B	Quiz	Q1 A	Q1 B	Q1 C	Q1 D	Q1 E	Q2 A	Q2 B	Q3 A	Q3 B	Q4 A	Q4 B	Q5 A	Q5 B	Quiz	
Max. Marks		2	2	2	2	2	10	0	10	0	5	5	10	0	10	2	2	2	2	2	10	0	10	0	5	5	10	0	10	70
50% Marks		1	1	1	1	1	5	0	5	0	2.5	2.5	5	0	5	1	1	1	1	1	5	0	5	0	2.5	2.5	5	0	5	35
1	173RIA0501	2	2	2	2	2					5	5	10		10	2	2	2	2	2			10				6		10	44
2	173RIA0503	2	2	2	2	2					4	5	9		10	2	2	2	2	2			9				6		10	44
3	173RIA0504	2	2	2	2	2					4.0	5	9		10	2	2	2	2	2			9				7		10	54
4	173RIA0505	A	A	A	A	A	A	A	A	A	A	A	A	A	A	2	2	2	2	2			6				0		9	47
5	173RIA0506	2	2	2	0	2					4	5	9		10	2	2	2	2	2			7				6		10	31
6	173RIA0508	2	2	2	2	2			10		5	4			10	2	2	2	2	2			7						10	40
7	173RIA0509	2	2	2	2	2	8		9						10	2	2	2	2	2			6			5			10	36
8	173RIA0511	2	2	2	2	2	2				2.0				10	2	2	2	0	2	7		5						10	31
9	173RIA0513	A	A	A	A	A	A	A	A	A	A	A	A	A	A	2	2	2	2	2			5						9	2
10	173RIA0514	2	2	2	2	2			9		5.0	5			10	2	2	2	2	2						6		10	48	
11	173RIA0515	2	2	2	2	2			7		4.0	4			10	2	2	2	2	2			7		2				10	41
12	173RIA0516	2	2	2	2	2					4	2	6		10	2	2	2	2	2			6						10	28
13	173RIA0517	2	2	2	2	2					5.0	5	9		10	2	2	2	2	2			7.0			3			10	47
14	173RIA0518	2	2	2	2	2					4	5	9		10	2	2	2	2	2			5				2		10	25
15	173RIA0519	2	2	2	2	2					5.0	4	9		10	2	2	2	2	2			6.0		3	3			10	34
16	173RIA0520	2	1	2	2	2	10		10						10	A	A	A	A	A	A	A	A	A	A	A	A	A	A	25
17	173RIA0521	2	2	2	2	2					3	4	3		10	2	2	2	2	2			4						10	14
18	173RIA0522	2	2	2	2	2					5.0	5	9		10	2	2	2	2	2			4				6		10	30
19	173RIA0523	2	2	2	2	2					4.0	4	2		10	2	2	2	2	2			5.0				1		9	25
20	173RIA0524	A	A	A	A	A	A	A	A	A	A	A	A	A	A	2	2	2	2	2	1		5						9	12
21	173RIA0525	2	2	2	2	2					4	4	4		10	2	2	2	2	2			5						9	25
22	173RIA0526	2	2	2	2	2					4	5	10		10	2	2	2	2	2			10.0				9		10	60
23	173RIA0528	2	2	2	2	2	10						3		10	2	2	2	2	2					4	3			10	29
24	173RIA0529	2	2	2	2	2					4	5	9		10	2	2	2	2	2			7.0		4	4			10	53
25	173RIA0530	2	2	2	2	2	10				4	4			10	2	2	2	2	2			5						9	25
26	173RIA0531	2	2	2	2	2					2.0	3	7		10	A	A	A	A	A	A	A	A	A	A	A	A	A	A	53
27	173RIA0532	2	2	2	2	2					3.0	3	6		10	A	A	A	A	A	A	A	A	A	A	A	A	A	A	44
28	173RIA0533	2	2	2	2	2					3	2	6		10	2	2	2	2	2			5.0				2		9	30
29	173RIA0534	2	2	2	2	2					4	5	8		10	2	2	2	2	2			2		4	4			10	36
30	173RIA0535	2	2	2	2	2					4.0	2	7		10	2	2	2	2	2			3						9	17
31	173RIA0537	2	2	2	2	2					4	4	10		10	2	2	2	2	2			8				10		10	61
32	173RIA0538	2	2	2	2	2					4	4	7		10	2	2	2	2	2	4		3						10	39

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		Q1 A	Q1 B	Q1 C	Q1 D	Q1 E	Q2 A	Q2 B	Q3 A	Q3 B	Q4 A	Q4 B	Q5 A	Q5 B	Quiz	Q1 A	Q1 B	Q1 C	Q1 D	Q1 E	Q2 A	Q2 B	Q3 A	Q3 B	Q4 A	Q4 B	Q5 A	Q5 B	Quiz	
	Max. Marks	2	2	2	2	2	10	0	10	0	5	5	10	0	10	2	2	2	2	2	10	0	10	0	5	5	10	0	10	70
	50% Marks	1	1	1	1	1	5	0	5	0	2.5	2.5	5	0	5	1	1	1	1	1	5	0	5	0	2.5	2.5	5	0	5	35
33	173R1A0539	2	2	2	2	2					3	3			10	2	2	2	2	2					4	3			10	35
34	173R1A0540	2	2	2	2	2					3.0	3			10	2	2	2	2	2			4						10	25
35	173R1A0541	2	2	2	2	2	9		4						10	2	2	2	2	2			6		4				10	55
36	173R1A0542	2	2	2	2	2					4	4	10		10	2	2	2	2	2			9.0			7			10	51
37	173R1A0543	2	2	2	2	2					4	3	10		10	2	2	2	2	2			5			3			10	53
38	173R1A0544	2	2	2	2	2					4.0	4	8		10	2	2	2	2	2			7.0			7			10	60
39	173R1A0545	2	2	2	2	2					5.0	4	9		10	2	2	2	2	2	10.0					9			10	43
40	173R1A0546	2	2	2	2	2					4.0	4			10	2	2	2	2	2			7			6			10	39
41	173R1A0547	2	2	2	2	2					5.0	5	10		10	2	2	2	2	2					5	5	10		10	43
42	173R1A0548	2	2	2	2	2					5.0	5	10		10	2	2	2	2	2			10			10			10	47
43	173R1A0549	2	2	2	2	2					4.0	4	6		10	2	2	2	2	2			4			2			10	34
44	173R1A0550	A	A	A	A	A	A	A	A	A	A	A	A	A	A	2	2	2	2	2			8						10	40
45	173R1A0551	2	2	2	2	2					4.0	4	8		10	2	2	2	2	2	4.0		4						10	44
46	173R1A0552	2	2	2	2	2					3.0	3			9	1	2	2	2	2					4	3			10	37
47	173R1A0553	2	2	2	2	2					4.0	4	6		10	2	1	2	2	2					2	2			9	37
48	173R1A0554	2	0	2	2	2					4.0	4	4		10	2	2	2	2	2									10	40
49	173R1A0555	2	2	2	2	2					2.0	2	5		10	2	2	2	2	2			2						10	44
50	173R1A0558	2	2	2	2	2					5.0	5	9		10	2	2	2	2	2			5		4	4			10	46
51	173R1A0560	2	2	2	2	2					5.0	4	9		10	2	2	2	2	2					3	2	8		10	46
52	173R1A0561	2	2	2	2	2			10		4.0	5			10	2	2	2	2	2			4			4			10	47
53	173R1A0562	2	2	2	2	2					5.0	4	10		10	2	2	2	2	2					4	5	8		10	46
54	173R1A0563	2	2	2	2	2					5.0	4	6		10	2	2	2	2	2			6			6			10	47
55	173R1A0564	2	2	2	2	2					4.0	4	9		10	2	2	2	2	2						6			9	42
56	173R1A0565	2	1	2	2	2					5.0	4	10		10	2	2	2	2	2									10	41
57	173R1A0566	2	2	2	2	2					4.0	4	8		10	2	2	2	2	2			4		4				10	41
58	173R1A0567	2	2	2	2	2					4.0	3	8		10	2	2	2	2	2					4	4	8		10	42
59	173R1A0569	2	2	2	2	2					4.0	4	8		10	2	2	2	2	2			6			5			10	44
60	173R1A0570	2	2	2	2	2					4.0	4	7		10	2	2	2	2	2			4		3				10	34
61	173R1A0573	2	2	2	2	2					4.0	3	6		10	2	2	2	2	2									10	35
62	173R1A0574	2	2	2	2	2					5.0	5	10		10	2	2	2	2	2					5	5	9		10	44
63	173R1A0575	2	2	2	2	2					5.0	4	9		10	2	2	2	2	2									10	41
64	173R1A0576	2	2	2	2	2					3.0	3			10	2	2	2	0	0						2			10	37
65	173R1A0578	2	2	2	2	2					3.0	3	4		10	2	2	2	2	2						3			10	25

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S.No	HT No.	MID EXAM I														MID EXAM II														Univ. Marks
		Q1 A	Q1 B	Q1 C	Q1 D	Q1 E	Q2 A	Q2 B	Q3 A	Q3 B	Q4 A	Q4 B	Q5 A	Q5 B	Quiz	Q1 A	Q1 B	Q1 C	Q1 D	Q1 E	Q2 A	Q2 B	Q3 A	Q3 B	Q4 A	Q4 B	Q5 A	Q5 B	Quiz	
Max. Marks		2	2	2	2	2	10	0	10	0	5	5	10	0	10	2	2	2	2	2	10	0	10	0	5	5	10	0	10	70
50% Marks		1	1	1	1	1	5	0	5	0	2.5	2.5	5	0	5	1	1	1	1	1	5	0	5	0	2.5	2.5	5	0	5	35
66	173R1A0579	2	2	2	2	2					4.0	4	8		10	2	2	2	2	2						5		10	32	
67	173R1A0582	A	A	A	A	A	A	A	A	A	A	A	A	A	A	2	2	2	2	2			9				9		10	30
68	173R1A0583	2	2	2	2	2					5.0	4	9		10	2	2	2	2	2			6				5		9	15
69	173R1A0585	A	A	A	A	A	A	A	A	A	A	A	A	A	A	2	2	2	2	2			6				9		10	25
70	173R1A0586	2	2	2	2	2					5.0	4	10		10	2	2	2	2	2			5				5		10	25
71	173R1A0588	2	2	2	2	2					4.0	5	9		10	2	2	2	2	2			5				10		10	34
72	173R1A0589	2	2	2	2	2					3.0	3	7		10	2	2	2	2	2					2		4		10	30
73	173R1A0590	2	2	2	2	2					4.0	5	9		10	2	2	2	2	2			8				5		10	45
74	173R1A0591	2	2	2	2	2					5.0	4	10		10	2	2	2	2	2			6		4	4			10	32
75	173R1A0592	2	2	2	2	2					4.0	5	10		10	2	2	2	2	2			5				5		10	34
76	173R1A0593	A	A	A	A	A	A	A	A	A	A	A	A	A	A	2	2	2	2	2							5		10	14
77	173R1A0594	2	2	2	2	2					5.0	5	8		10	2	2	2	2	2					3	5	5		10	35
78	173R1A0596	2	2	2	2	2					5.0	5	8		10	2	2	2	2	2			6						10	16
79	173R1A0597	2	2	2	2	2					5.0	5	9		10	2	2	2	2	2			7				3		10	11
80	173R1A0598	2	2	2	2	2			8		5.0	5			10	2	2	2	2	2							3		10	12
81	173R1A05A0	2	2	2	2	2					5.0	4	9		10	2	2	2	2	2			6		5	2			10	33
82	173R1A05A1	2	2	2	2	2					2.0	3	6		10	A	A	A	A	A	A	A	A	A	A	A	A	A	A	13
83	173R1A05A2	2	2	2	2	2					5.0	5	10		10	2	2	2	2	2			7		5	4			10	42
84	173R1A05A3	2	2	2	2	2					5.0	4	9		10	2	2	2	2	2			6			6			10	42
85	173R1A05A4	2	2	2	2	2					5.0	4	9		9	A	A	A	A	A	A	A	A	A	A	A	A	A	A	28
86	173R1A05A5	2	2	2	2	2					5.0	4	8		10	2	2	2	2	2			8						10	30
87	173R1A05A6	2	2	2	2	2					5.0	4	10		10	2	2	2	2	2			4				9		10	30
88	173R1A05A7	2	2	2	2	2					5.0	4	9		10	2	2	2	2	2			7				6		10	29
89	173R1A05A8	2	2	2	2	2	9		9						9	A	A	A	A	A	A	A	A	A	A	A	A	A	A	32
90	173R1A05A9	2	2	2	2	2					5	4	9		10	2	2	2	2	2			6		3	3			10	32
91	173R1A05B0	A	A	A	A	A	A	A	A	A	A	A	A	A	A	2	2	2	2	2			3						10	A
92	173R1A05B1	2	2	2	2	2					5	4	9		10	2	2	2	2	2			6			6			10	29
93	173R1A05B2	2	2	2	2	2					3	3	6		5	2	2	2	2	2			4		3	2			10	29
94	173R1A05B3	2	2	2	2	2					4	5	9		10	A	A	A	A	A	A	A	A	A	A	A	A	A	A	25
95	173R1A05B4	1	2	2	2	2					3	2	5		10	1	2	2	2	2			7						10	25
96	173R1A05B5	2	2	2	2	2	2						6		10	2	2	2	2	2						4			10	25
97	173R1A05B7	2	2	2	2	2					4	3	7		10	2	2	2	2	2					4	5			8	25
98	173R1A05B8	2	2	2	2	2					2	3	6		10	2	2	2	2	2			4		2	2			10	32

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Max. Marks		2	2	2	2	2	10	0	10	0	5	5	10	0	10	2	2	2	2	2	10	0	10	0	5	5	10	0	10	70
50% Marks		1	1	1	1	1	5	0	5	0	2.5	2.5	5	0	5	1	1	1	1	1	5	0	5	0	2.5	2.5	5	0	5	35
99	173R1A05B9	2	2	2	2	2					5	4	8		10	2	2	2	2	2			4		4			7	36	
100	173R1A05C0	2	2	2	2	2							6		5	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Number of students attempted question		92	92	92	92	92	8	0	9	0	85	84	76	0	92	92	92	92	92	92	5	0	67	0	27	21	50	0	92	98
Number of students scoring more than 50% in INTERNALS & 50% in UNIV EXAM		92	91	92	91	92	6	0	8	0	80	79	70	0	92	92	92	92	90	91	2	0	50	0	23	16	36	0	92	50
CO Attainment Percentage Questionwise		100	99	100	99	100	75	0	89	0	94	94	92	0	100	100	100	100	98	99	40	0	75	0	85	76	72	0	100	51
CO Attainment Level		3	3	3	3	3	3	0	3	0	3	3	3	0	3	3	3	3	3	3	1	0	2	0	3	3	2	0	3	2
CO NUMBER		1	1	2	2	2	1		1		2	2	2		1,2	3	3	5	3	4	3		5		3	3	4		3,4,5	1,2,3,4,5

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College code **3R**

(Approved by AICTE, Affiliated to JNTUA. An ISO 9001: 2015 Certified Institution)
NH-16, Kadanuthala, Bogole Mandal, Kavali- 524 142, S.P.S.R. Nellore, Andhra Pradesh.)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FINAL CO ATTAINMENT

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Total Students Strength	100

Internal Assessment	
% students attained CO(X)	CO Level
X >=75%	3
50% <= X < 75%	2
X < 50%	1

University Exam	
% students attained CO(X)	CO Level
≥60%	3
40 % - 60%	2
≤ 40%	1

Weightage	
INT	UNIV. EXAM
30%	70%
CO TARGET	1.8

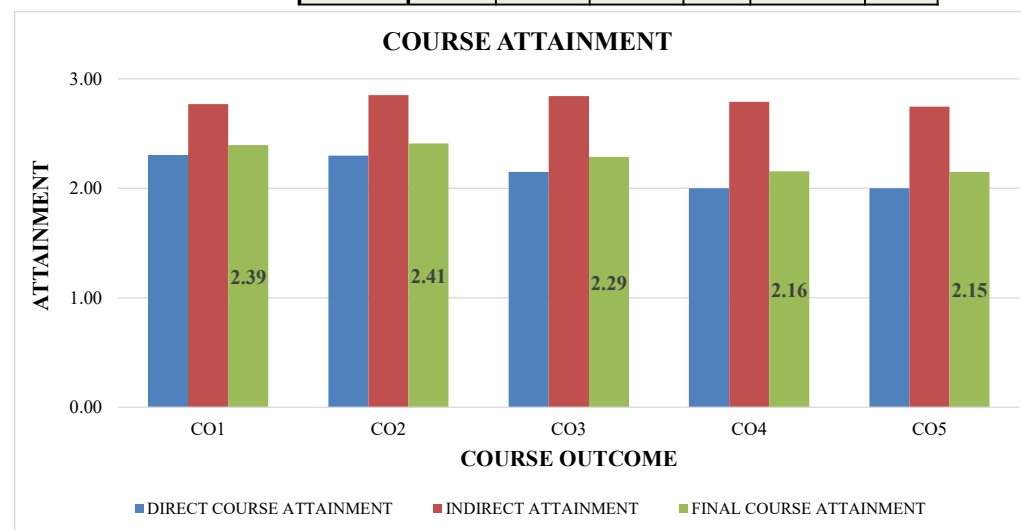
DIRECT COURSE ATTAINMENT						
CO NO	Mid-1 attainment level	Quiz-1 attainment level	Mid-2 attainment level	Quiz-2 attainment level	University exam attainment level	Over all
5802.1	3	3	-	-	2	2.30
5802.2	3	3	-	-	2	2.30
5802.3	-	-	3	3	2	2.15
5802.4	-	-	2	3	2	2.00
5802.5	-	-	2	3	2	2.00
Direct Course attainment=						2.15

NOTE: OVERALL = MID*0.20 + QUIZ*0.1 + UNIV*0.7

FINAL COURSE ATTAINMENT					
ATTAINMENT/ CO	CO1	CO2	CO3	CO4	CO5
DIRECT COURSE ATTAINMENT	2.30	2.30	2.15	2.00	2.00
INDIRECT ATTAINMENT	2.77	2.85	2.84	2.79	2.75
FINAL COURSE ATTAINMENT	2.39	2.41	2.29	2.16	2.15
FINAL COURSE ATTAINMENT	2.28				

NOTE: FINAL ATTAINMENT = 0.8*DIRECT ATTAINMENT + 0.2*INDIRECT ATTAINMENT

INDIRECT ATTAINMENT (FROM CE SURVEY)						
CO No	Rating			Total	Attainment	Attainment %
	1	2	3			
5802.1	4	14	77	95	2.77	92.28
5802.2	2	10	83	95	2.85	95.09
5802.3	2	11	82	95	2.84	94.74
5802.4	5	10	80	95	2.79	92.98
5802.5	5	14	76	95	2.75	91.58



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FINAL CO ATTAINMENT

Department	: COMPUTER SCIENCE AND ENGINEERING
Batch	: 2017-2021 (R15)
Course Code & Title	15A05802 & MOBILE COMPUTING
Semester/Year/SEC	IV YEAR - II SEM - CSE A& B
Faculty Name	: Mr. S.V. CHIRANJEEVI
Total Students Strength	100

Internal Assessment	
% students attained CO(X)	CO Level
X $\geq$ 75%	3
50% $\leq$ X $<$ 75%	2
X $<$ 50%	1

University Exam	
% students attained CO(X)	CO Level
$\geq$ 60%	3
40 % - 60%	2
$\leq$ 40%	1

Weightage	
INT	UNIV. EXAM
30%	70%
CO TARGET	1.8

FINAL COURSE ATTAINMENT					
ATTAINMENT/ CO	CO 5802.1	CO 5802.2	CO 5802.3	CO 5802.4	CO 5802.5
FINAL COURSE ATTAINMENT	2.39	2.41	2.29	2.16	2.15
AVG CO ATTAINMENT	2.28				

CO ATTAINMENT ANALYSIS:	Target Level:	1.8		CO Attained :	2.28
Based on the above result, CO has reached the target level.					
Remarks:	1. Question paper is given Moderatly. 2. Student need to focused on Case Studies				
Action Suggested:	1. Case studies are to be explained beyond the Syllabus. 2. Remedial clases are to be conducted for the fail students				

MAPPING OF CO & PO																
B.T.	CO No.	Course outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO2
1	5802.1	Able to know about the types of WLAN's, Components ofTypical WLAN and the services offered by a WLAN [BTL1]	3	2	2	–	–	–	–	–	–	–	–	2	2	2
2	5802.2	Summarise the protocols used at the MAC layer and Scheduling mechanisms [BTL2]	3	3	2	–	1	–	–	–	–	–	–	1	2	2
4	5802.3	Examine the routing mechanisms and transport layer and network security solutions in ADHOC wireless networks. [BTL4]	3	2	2	–	–	–	–	–	–	–	–	2	2	3
6	5802.4	Evaluate the energy management schemes and quality of service solution in adhoc networks. [BTL6]	3	1	1	–	2	–	–	–	–	–	–	–	2	1
3	5802.5	Acquire skills to design and implement a basic mobile ADHOC or wireless sensor networks via simulations. [BTL3]	3	1	1	–	2	–	–	–	–	–	–	–	2	–

The correlations are indicated by levels 1, 2 & 3.

- 1 represents Slight (Low) correlation between the course outcome and the program outcome.
- 3 represents Substantial (High) correlation between the course outcome and the program outcome and

- 2 represents Moderate (Medium) correlation between the CO & PO
- - represents no correlation between the course outcome and the program outcome.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FINAL CO ATTAINMENT

Department	: COMPUTER SCIENCE AND ENGINEERING
Batch	: 2017-2021 (R15)
Course Code & Title	15A05802 & MOBILE COMPUTING
Semester/Year/SEC	IV YEAR - II SEM - CSE A& B
Faculty Name	: Mr. S.V. CHIRANJEEVI
Total Students Strength	100

Internal Assessment	
% students attained CO(X)	CO Level
X $\geq$ 75%	3
50% $\leq$ X < 75%	2
X < 50%	1

University Exam	
% students attained CO(X)	CO Level
$\geq$ 60%	3
40 % - 60%	2
$\leq$ 40%	1

Weightage	
INT	UNIV. EXAM
30%	70%
CO TARGET	1.8

FINAL PO ATTAINMENT

B.T.	CO No.	Course outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO2
1	5802.1	Able to know about the types of WLAN's, Components of Typical WLAN and the services offered by a WLAN [BTL1]	2.39	1.60	1.60	—	—	—	—	—	—	—	—	1.60	1.60	1.60
2	5802.2	Summarise the protocols used at the MAC layer and Scheduling mechanisms [BTL2]	2.41	2.41	1.61	—	0.80	—	—	—	—	—	—	0.80	1.61	1.61
4	5802.3	Examine the routing mechanisms and transport layer and network security solutions in ADHOC wireless networks. [BTL4]	2.29	1.53	1.53	—	—	—	—	—	—	—	—	1.53	1.53	2.29
6	5802.4	Evaluate the energy management schemes and quality of service solution in adhoc networks. [BTL6]	2.16	0.72	0.72	—	1.44	—	—	—	—	—	—	—	1.44	0.72
3	5802.5	Acquire skills to design and implement a basic mobile ADHOC or wireless sensor networks via simulations. [BTL3]	2.15	0.72	0.72	—	1.43	—	—	—	—	—	—	—	1.43	—
AVG			2.28	1.52	1.52		0.76							0.76	1.52	1.52

Note: FINAL PO ATTAINMENT is Program Articulation matrix (PAM)

***SAMPLE CO ATTAINMENT CALCULATION-
LABORATORY***

RAMIREDDY SUBBARAMI REDDY ENGINEERING COLLEGE

College
code **3R**

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CO ATTAINMENT

Department	: COMPUTER SCIENCE AND ENGINEERING	Internal Assessment & University Exam		Weightage	
Batch	: 2017-2021 (R15)	% students attained CO(X)	CO Level	INT	UNIV. EXAM
Course Code & Title	15A05710 & GRID AND CLOUD COMPUTING LAB			30%	70%
Semester/Year/SEC	: IVYEAR - I SEM- CSE A & B	X >=75%	3	CO TARGET	2.5
Faculty Name	: Mrs. A. NANDINI	50%<=X <75%	2		
Total Students Strength	104	X < 50%	1		

S.No	HT No.	DAY TO DAY (10)	Experiment (10)	Viva/ Performance (05)	Internal Exam (5)	INTERNAL MARKS(30)	Univ. Marks
Max. Marks						30	70
50% Marks		0	0	0	0	15	35
1	173R1A0501	10	10	5	5	30	68
2	173R1A0503	10	10	5	4	29	67
3	173R1A0504	9	10	5	5	29	65
4	173R1A0505	10	10	5	4	29	67
5	173R1A0506	9	10	5	4	28	65
6	173R1A0508	10	10	5	4	29	67
7	173R1A0509	9	10	4	4	27	60
8	173R1A0510	A	A	A	A	A	A
9	173R1A0511	8	10	3	4	25	60
10	173R1A0513	7	10	4	4	25	60
11	173R1A0514	9	10	4	3	26	64
12	173R1A0515	9	10	4	4	27	65
13	173R1A0516	8	10	4	4	26	64
14	173R1A0517	10	10	4	5	29	68
15	173R1A0518	9	10	5	4	28	65
16	173R1A0519	9	10	5	4	28	65
17	173R1A0520	9	10	4	4	27	65
18	173R1A0521	9	10	5	4	28	67
19	173R1A0522	10	10	5	5	30	69
20	173R1A0523	8	10	4	3	25	60
21	173R1A0524	8	10	4	4	26	63
22	173R1A0525	9	10	4	4	27	60
23	173R1A0526	10	10	4	5	29	68
24	173R1A0528	8	10	5	5	28	66
25	173R1A0529	10	10	4	5	29	68
26	173R1A0530	9	10	4	4	27	63
27	173R1A0531	9	10	4	3	26	62
28	173R1A0532	9	10	4	4	27	63
29	173R1A0533	9	10	5	4	28	68
30	173R1A0534	7	10	4	4	25	60
31	173R1A0535	9	10	4	3	26	60
32	173R1A0536	A	A	A	A	A	A
33	173R1A0537	10	10	5	4	29	65
34	173R1A0538	9	10	5	4	28	66
35	173R1A0539	9	10	4	4	27	63
36	173R1A0540	8	10	5	4	27	62
37	173R1A0541	9	10	5	5	29	68
38	173R1A0542	9	10	4	5	28	67
39	173R1A0543	9	10	5	4	28	66
40	173R1A0544	9	10	5	5	29	68

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CO ATTAINMENT

Department	: COMPUTER SCIENCE AND ENGINEERING	Internal Assessment & University Exam		Weightage	
Batch	: 2017-2021 (R15)	% students attained CO(X)	CO Level	INT	UNIV. EXAM
Course Code & Title	15A05710 & GRID AND CLOUD COMPUTING LAB			30%	70%
Semester/Year/SEC	: IVYEAR - I SEM- CSE A & B	X >=75%	3	CO TARGET	2.5
Faculty Name	: Mrs. A. NANDINI	50%<=X <75%	2		
Total Students Strength	104	X < 50%	1		

S.No	HT No.	DAY TO DAY (10)	Experiment (10)	Viva/ Performance (05)	Internal Exam (5)	INTERNAL MARKS(30)	Univ. Marks
	Max. Marks					30	70
	50% Marks	0	0	0	0	15	35
41	173R1A0545	10	10	4	5	29	69
42	173R1A0546	9	10	4	3	26	60
43	173R1A0547	9	10	5	5	29	69
44	173R1A0548	9	10	4	5	28	68
45	173R1A0549	8	10	5	5	28	67
46	173R1A0550	9	10	4	4	27	62
47	173R1A0551	9	10	4	3	26	63
48	173R1A0552	8	10	4	4	26	62
49	173R1A0553	8	10	5	4	27	64
50	173R1A0554	7	10	4	4	25	62
51	173R1A0555	8	10	5	4	27	65
52	173R1A0557	A	A	A	A	A	A
53	173R1A0558	9	10	5	4	28	67
54	173R1A0560	10	10	5	5	30	69
55	173R1A0561	8	10	4	4	26	63
56	173R1A0562	9	10	4	5	28	67
57	173R1A0563	9	10	4	5	28	66
58	173R1A0564	9	10	4	4	27	64
59	173R1A0565	9	10	4	5	28	67
60	173R1A0566	8	10	4	4	26	64
61	173R1A0567	9	10	5	5	29	67
62	173R1A0569	9	10	5	5	29	68
63	173R1A0570	10	10	5	5	30	63
64	173R1A0573	9	10	4	5	28	65
65	173R1A0574	10	10	5	5	30	70
66	173R1A0575	9	10	5	5	29	68
67	173R1A0576	8	10	4	4	26	62
68	173R1A0577	A	A	A	A	A	A
69	173R1A0578	8	10	4	4	26	63
70	173R1A0579	9	10	4	4	27	66
71	173R1A0582	9	10	5	5	29	67
72	173R1A0583	9	10	4	5	28	62
73	173R1A0585	9	10	4	4	27	63
74	173R1A0586	9	10	4	5	28	64
75	173R1A0588	10	10	5	5	30	70
76	173R1A0589	9	10	4	4	27	67
77	173R1A0590	9	10	4	5	28	68
78	173R1A0591	8	10	4	4	26	67
79	173R1A0592	9	10	5	5	29	68
80	173R1A0593	7	10	4	4	25	60

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CO ATTAINMENT

Department	: COMPUTER SCIENCE AND ENGINEERING	Internal Assessment & University Exam		Weightage	
Batch	: 2017-2021 (R15)	% students attained CO(X)	CO Level	INT	UNIV. EXAM
Course Code & Title	15A05710 & GRID AND CLOUD COMPUTING LAB			30%	70%
Semester/Year/SEC	: IVYEAR - I SEM- CSE A & B	X >=75%	3	CO TARGET	2.5
Faculty Name	: Mrs. A. NANDINI	50%<=X <75%	2		
Total Students Strength	104	X < 50%	1		

S.No	HT No.	DAY TO DAY (10)	Experiment (10)	Viva/ Performance (05)	Internal Exam (5)	INTERNAL MARKS(30)	Univ. Marks
Max. Marks						30	70
50% Marks		0	0	0	0	15	35
81	173R1A0594	10	10	4	5	29	67
82	173R1A0596	8	10	4	5	27	61
83	173R1A0597	9	10	4	5	28	67
84	173R1A0598	8	10	4	4	26	66
85	173R1A05A0	9	10	4	4	27	65
86	173R1A05A1	8	10	4	4	26	64
87	173R1A05A2	9	10	4	4	27	66
88	173R1A05A3	9	10	4	5	28	67
89	173R1A05A4	9	10	4	4	27	67
90	173R1A05A5	9	10	4	5	28	68
91	173R1A05A6	9	10	5	5	29	66
92	173R1A05A7	8	10	4	5	27	65
93	173R1A05A8	8	10	4	3	25	63
94	173R1A05A9	10	10	4	4	28	67
95	173R1A05B0	8	10	4	5	27	66
96	173R1A05B1	9	10	4	5	28	65
97	173R1A05B2	8	10	4	5	27	67
98	173R1A05B3	8	10	4	3	25	60
99	173R1A05B4	9	10	4	4	27	63
100	173R1A05B5	7	10	5	4	26	62
101	173R1A05B7	9	10	5	5	29	68
102	173R1A05B8	8	10	5	5	28	66
103	173R1A05B9	9	10	4	4	27	67
104	173R1A05C0	8	10	4	4	26	65
Number of students attempted question		100	100	100	100	100	100
Number of students scoring more than 50% in INTERNALS & 50% in UNIV EXAM		100	100	100	100	100	100
CO Attainment Percentage Questionwise		100	100	100	100	-	100
CO Attainment Level		3	3	3	3	-	3
CO NUMBER		1,2,3	1,2,3	1,2,3	1,2,3	1,2,3	1,2,3

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FINAL CO ATTAINMENT

Department	: COMPUTER SCIENCE AND ENGINEERING
Batch	: 2017-2021 (R15)
Course Code & Title	: 15A05710 & GRID AND CLOUD COMPUTING LAB
Semester/Year/SEC	: IVYEAR- I SEM - CSE A&B
Faculty Name	: Mrs. A. NANDINI
Total Students Strength	104

Internal Assessment & University Exam	
% students attained CO(X)	CO Level
X >=75%	3
50%<=X <75%	2
X < 50%	1

Weightage	
INT	UNIV. EXAM
30%	70%
CO TARGET	
2.5	

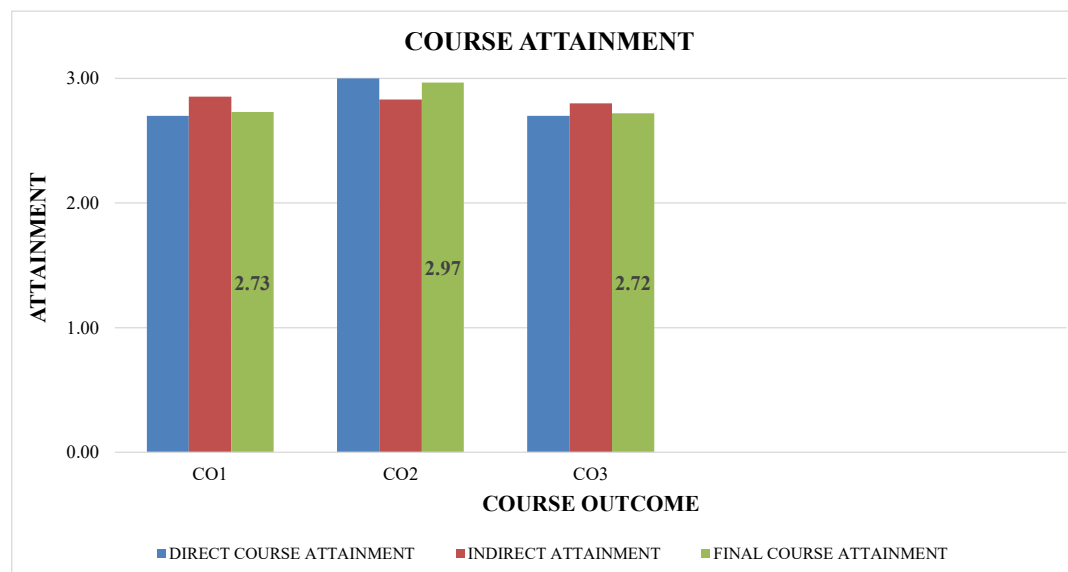
DIRECT COURSE ATTAINMENT			
CO NO	Internal Exam Attainment level	University exam attainment level	Over all
5710.1	2	3	2.70
5710.2	3	3	3.00
5710.3	2	3	2.70
Direct Course attainment=			2.80

NOTE: OVERALL = INT*0.30 +UNIV*0.7

INDIRECT ATTAINMENT (FROM CE SURVEY)					
CO No	Rating			Total	Attainment %
	1	2	3		
5710.1	2	10	83	95	2.85
5710.2	3	10	82	95	2.83
5710.3	2	9	84	95	2.86

FINAL COURSE ATTAINMENT					
ATTAINMENT/ CO	CO1	CO2	CO3		
DIRECT COURSE ATTAINMENT	2.70	3.00	2.70		
INDIRECT ATTAINMENT	2.85	2.83	2.80		
FINAL COURSE ATTAINMENT	2.73	2.97	2.72		
FINAL COURSE ATTAINMENT	2.81				

NOTE: FINAL ATTAINMENT = 0.8*DIRECT ATTAINMENT + 0.2*INDIRECT ATTAINMENT



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FINAL CO ATTAINMENT

Department	: COMPUTER SCIENCE AND ENGINEERING
Batch	: 2017-2021 (R15)
Course Code & Title	: 15A05710 & GRID AND CLOUD COMPUTING LAB
Semester/Year/SEC	: IVYEAR- I SEM - CSE A&B
Faculty Name	: Mrs. A. NANDINI
Total Students Strength	104

Internal Assessment & University Exam	
% students attained CO(X)	CO Level
X >=75%	3
50%<=X <75%	2
X < 50%	1

Weightage	
INT	UNIV. EXAM
30%	70%
CO TARGET	2.5

FINAL COURSE ATTAINMENT					
ATTAINMENT/ CO	CO	CO	CO	CO	CO
FINAL COURSE ATTAINMENT	2.73	2.97	2.72	-	-
AVG CO ATTAINMENT	2.81				

CO ATTAINMENT ANALYSIS:	Target Level:	2.5		CO Attained :	2.81
Based on the above result, CO has reached the target level.					
Remarks:	Target has reached and found a gaps in learning and engage in constructing knowledge.				
Action Suggested:	Suggest additional resources and practise programs with some examples to see struggle areas in new contexts.				

MAPPING OF CO & PO																
B.T.	CO No.	Course outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
6	5710.1	Design and implement applications on the Grid, use of the Grid Toolkit.	3	2	3	2	-	-	-	-	2	-	-	1	2	3
6	5710.2	Design and Implement new cloud applications on Cloud.	2	3	3	2	-	-	-	-	2	-	-	3	3	2
3	5710.3	Use of the Cloud Toolkit and Grid Toolkit	3	2	2	3	-	-	-	-	2	-	-	1	2	2

The correlations are indicated by levels 1, 2 & 3.

- 1 represents Slight (Low) correlation between the course outcome and the program outcome.
- 3 represents Substantial (High) correlation between the course outcome and the program outcome and

- 2 represents Moderate (Medium) correlation between the CO & PO
- - represents no correlation between the course outcome and the program outcome.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FINAL CO ATTAINMENT

Department	: COMPUTER SCIENCE AND ENGINEERING
Batch	: 2017-2021 (R15)
Course Code & Title	: 15A05710 & GRID AND CLOUD COMPUTING LAB
Semester/Year/SEC	: IVYEAR- I SEM - CSE A&B
Faculty Name	: Mrs. A. NANDINI
Total Students Strength	104

Internal Assessment & University Exam	
% students attained CO(X)	CO Level
X >=75%	3
50%<=X <75%	2
X < 50%	1

Weightage	
INT	UNIV. EXAM
30%	70%
CO TARGET	
2.5	

FINAL PO ATTAINMENT

B.T.	CO No.	Course outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
6	5710.1	Design and implement applications on the Grid, use of the Grid Toolkit.	2.73	1.82	2.73	1.82	—	—	—	—	1.82	—	—	0.91	1.82	2.73
6	5710.2	Design and Implement new cloud applications on Cloud.	1.98	2.97	2.97	1.98	—	—	—	—	1.98	—	—	2.97	2.97	1.98
3	5710.3	Use of the Cloud Toolkit and Grid Toolkit	2.72	1.81	1.81	2.72	—	—	—	—	1.81	—	—	0.91	1.81	1.81
AVG			2.48	2.20	2.50	2.17					1.87			1.59	2.20	2.17

Note: FINAL PO ATTAINMENT is Program Articulation matrix (PAM)

RAMIREDDY SUBBARAMI REDDY ENGINEERING COLLEGE

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

COURSE OUTCOME ATTAINMENT

BATCH 2017-2021 (Reg-15)

S. No.	Course Code	Course Name	CO ATTAINMENT
1	15A52101	Functional English	2.3
2	15A54101	Mathematics – I	2.1
3	15A05101	Computer Programming	2.5
4	15A56101	Engineering Physics	2.2
5	15A03101	Engineering Drawing	2.1
6	15A52102	English Language Communication Skills Lab	2.6
7	15A56102	Engineering Physics Lab	2.7
8	15A05102	Computer Programming Lab	2.8
9	15A52201	English for Professional Communication	2.4
10	15A54201	Mathematics – II	2.3
11	15A05201	Data Structures	2.4
12	15A51101	Engineering Chemistry	2.3
13	15A01101	Environmental Studies	2.8
14	15A05202	Data Structures Lab	2.8
15	15A51102	Engineering Chemistry Lab	2.7
16	15A99201	Engineering & IT Workshop	2.7
17	15A54301	Mathematics III	2.5
18	15A05301	Database Management Systems	2.6
19	15A05302	Discrete Mathematics	2.4

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

COURSE OUTCOME ATTAINMENT

BATCH 2017-2021 (Reg-15)

S. No.	Course Code	Course Name	CO ATTAINMENT
20	15A99301	Basic Electrical and Electronics Engineering	2.3
21	15A04306	Digital Logic Design	2.4
22	15A52301	Managerial Economics and Financial Analysis	2.6
23	15A05303	Database Management Systems Laboratory	2.8
24	15A99302	Basic Electrical and Electronics Laboratory	2.6
25	15A54401	Probability and Statistics	2.3
26	15A05401	Software Engineering	2.6
27	15A05402	Computer Organization	2.5
28	15A04407	Microprocessors & Interfacing	2.3
29	15A05403	Object Oriented Programming using Java	2.8
30	15A05404	Formal Languages and Automata Theory	2.7
31	15A04408	Microprocessors & Interfacing Laboratory	2.7
32	15A05405	Java Programming Laboratory	2.8
33	15A05501	Operating Systems	2.6
34	15A05502	Computer Networks	2.6
35	15A05503	Object Oriented Analysis and Design	2.8
36	15A05504	Principles of Programming Languages	2.7
37	15A05505	Software Testing	2.8
38	15A05506	Introduction to Big Data	2.6

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

COURSE OUTCOME ATTAINMENT

BATCH 2017-2021 (Reg-15)

S. No.	Course Code	Course Name	CO ATTAINMENT
39	15A05509	Object Oriented Analysis and Design & Software Testing Laboratory	2.8
40	15A05510	Operating Systems Laboratory	2.8
41	15A05601	Compiler Design	2.6
42	15A05602	Data Warehousing & Mining	2.7
43	15A05603	Design Patterns	2.7
44	15A05604	Design and Analysis of Algorithms	2.5
45	15A05605	Web and Internet Technologies	2.7
46	15A05606	Artificial Intelligence	2.6
47	15A05609	Web and Internet Technologies Laboratory	2.8
48	15A05610	Data Warehousing & Mining Laboratory	2.7
49	15A52602	Advanced English Language Communication Skills Laboratory	2.6
50	15A52601	Management Science	2.8
51	15A05701	Grid & Cloud Computing	2.8
52	15A05702	Information Security	2.6
53	15A05703	Mobile Application Development	2.6
54	15A05704	Software Architecture	2.7
55	15A05707	Software Project Management	2.8
56	15A05710	Grid & Cloud Computing Laboratory	2.81
57	15A05711	Mobile Application Development Laboratory	2.8

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

COURSE OUTCOME ATTAINMENT

BATCH 2017-2021 (Reg-15)

S. No.	Course Code	Course Name	CO ATTAINMENT
58	15A05802	Mobile Computing	2.28
59	15A05806	Cyber Security	2.6
60	15A05807	Comprehensive Viva-Voce	2.8
61	15A05808	Technical Seminar	2.8
62	15A05809	Project Work	2.8

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

POs & PSOs ATTAINMENT (DIRECT ATTAINMENT METHOD)

BATCH 2017-2021 (Reg-15)

S. No.	Course Code	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	15A52101	Functional English	—	—	—	—	—	0.77	1.53	—	2.3	1.53	—	2.3	—	0.77
2	15A54101	Mathematics – I	2.1	2.1	1.4	1.4	—	—	—	—	—	—	—	1.4	1.4	1.4
3	15A05101	Computer Programming	2.5	2.5	2.5	1.67	—	—	—	—	—	—	—	2.5	1.67	1.67
4	15A56101	Engineering Physics	2.2	2.2	1.47	1.47	2.2	1.47	—	—	—	—	—	1.47	2.2	1.47
5	15A03101	Engineering Drawing	1.4	1.4	1.4	1.4	1.4	—	—	—	—	—	—	0.7	1.4	—
6	15A52102	English Language Communication Skills Lab	—	—	—	—	—	0.87	1.73	0.87	0.87	0.87	—	1.73	0.87	0.87
7	15A56102	Engineering Physics Lab	2.7	1.8	1.8	—	0.9	0.9	—	—	—	—	—	0.9	1.8	1.8
8	15A05102	Computer Programming Lab	2.8	2.8	2.8	1.87	—	—	—	—	—	—	—	1.87	1.87	1.87
9	15A52201	English for Professional Communication	—	—	—	—	—	1.6	2.4	2.4	2.4	2.4	2.4	—	—	0.8
10	15A54201	Mathematics – II	2.3	1.53	1.53	1.53	—	—	—	—	—	—	—	0.77	1.53	1.53
11	15A05201	Data Structures	2.4	1.6	1.6	1.6	—	—	—	—	—	—	—	1.6	1.6	1.6
12	15A51101	Engineering Chemistry	1.53	1.53	1.53	1.53	1.53	0.77	—	—	—	—	—	—	—	—
13	15A01101	Environmental Studies	1.87	1.87	2.8	1.87	2.8	1.87	1.87	1.87	1.87	—	—	2.8	2.8	2.8
14	15A05202	Data Structures Lab	2.8	2.8	1.87	1.87	—	—	1.87	—	1.87	—	—	1.87	1.87	1.87
15	15A51102	Engineering Chemistry Lab	1.8	1.8	1.8	0.9	2.7	1.8	1.8	—	2.7	—	1.8	1.8	1.8	1.8
16	15A99201	Engineering & IT Workshop	1.8	2.7	1.8	1.8	—	—	—	—	2.7	—	—	1.8	2.7	2.7
17	15A54301	Mathematics III	1.67	1.67	1.67	0.83	1.67	—	—	—	—	—	—	1.67	1.67	1.67
18	15A05301	Database Management Systems	1.73	1.73	1.73	0.87	1.73	0.87	—	—	—	—	—	1.73	1.73	1.73
19	15A05302	Discrete Mathematics	1.6	1.6	1.6	1.6	1.6	—	—	—	—	—	—	0.8	1.6	—
20	15A99301	Basic Electrical and Electronics Engineering	2.3	1.53	1.53	—	1.53	—	—	—	—	—	—	1.53	1.53	1.53
21	15A04306	Digital Logic Design	2.4	2.4	1.6	1.6	—	—	—	—	—	1.6	—	1.6	1.6	1.6
22	15A52301	Managerial Economics and Financial Analysis	1.73	—	0.87	—	1.73	0.87	—	1.73	—	—	—	0.87	0.87	1.73
23	15A05303	Database Management Systems Laboratory	1.87	1.87	0.93	1.87	0.93	—	—	—	—	—	—	1.87	1.87	1.87

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

POs & PSOs ATTAINMENT (DIRECT ATTAINMENT METHOD)

BATCH 2017-2021 (Reg-15)

S. No.	Course Code	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
24	15A99302	Basic Electrical and Electronics Laboratory	1.73	1.73	1.73	0.87	1.73	—	—	—	—	—	—	1.73	0.87	0.87
25	15A54401	Probability and Statistics	2.3	1.53	1.53	1.53	1.53	—	—	—	—	—	—	1.53	1.53	2.3
26	15A05401	Software Engineering	2.6	1.73	2.6	1.73	—	—	—	—	—	—	—	1.73	1.73	1.73
27	15A05402	Computer Organization	2.5	2.5	1.67	2.5	1.67	—	—	—	—	—	—	1.67	1.67	2.5
28	15A04407	Microprocessors & Interfacing	2.3	1.53	1.53	—	—	—	—	0.77	—	—	—	0.77	0.77	1.53
29	15A05403	Object Oriented Programming using Java	1.87	2.8	2.8	1.87	1.87	—	—	—	—	—	—	2.8	1.87	1.87
30	15A05404	Formal Languages and Automata Theory	1.8	2.7	1.8	1.8	—	—	—	—	—	—	—	1.8	1.8	1.8
31	15A04408	Microprocessors & Interfacing Laboratory	2.7	1.8	1.8	—	—	—	—	0.9	—	—	—	0.9	0.9	1.8
32	15A05405	Java Programming Laboratory	2.8	2.8	—	2.8	1.87	—	—	—	2.8	—	—	2.8	1.87	1.87
33	15A05501	Operating Systems	2.6	2.6	1.73	1.73	1.73	1.73	—	0.87	1.73	1.73	—	1.73	2.6	1.73
34	15A05502	Computer Networks	2.6	2.6	1.73	1.73	—	—	—	—	—	—	—	2.6	1.73	1.73
35	15A05503	Object Oriented Analysis and Design	1.87	2.8	1.87	1.87	1.87	—	—	—	—	—	—	2.8	1.87	1.87
36	15A05504	Principles of Programming Languages	2.7	2.7	2.7	1.8	2.7	—	—	1.8	1.8	—	—	—	1.8	0.9
37	15A05505	Software Testing	1.87	2.8	1.87	1.87	1.87	—	—	—	1.87	—	1.87	—	1.87	1.87
38	15A05506	Introduction to Big Data	1.73	1.73	2.6	1.73	—	—	—	—	—	—	—	1.73	2.6	1.73
39	15A05509	Object Oriented Analysis and Design & Software Testing Laboratory	1.87	1.87	2.8	1.87	1.87	—	—	—	1.87	1.87	—	—	1.87	1.87
40	15A05510	Operating Systems Laboratory	1.87	2.8	2.8	2.8	2.8	—	—	—	2.8	—	—	2.8	2.8	1.87
41	15A05601	Compiler Design	2.6	1.73	1.73	0.87	0.87	0.87	—	—	—	—	—	1.73	2.6	1.73
42	15A05602	Data Warehousing & Mining	2.7	2.7	2.7	1.8	1.8	1.8	1.8	—	—	1.8	—	1.8	2.7	1.8
43	15A05603	Design Patterns	1.8	1.8	2.7	2.7	2.7	—	—	—	—	—	—	1.8	1.8	1.8
44	15A05604	Design and Analysis of Algorithms	1.67	2.5	1.67	1.67	—	—	—	—	—	—	—	1.67	1.67	1.67
45	15A05605	Web and Internet Technologies	1.8	1.8	2.7	2.7	1.8	—	—	—	—	—	—	2.7	2.7	1.8
46	15A05606	Artificial Intelligence	2.6	2.6	2.6	1.73	2.6	—	—	—	—	—	—	1.73	2.6	2.6

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

POs & PSOs ATTAINMENT (DIRECT ATTAINMENT METHOD)

BATCH 2017-2021 (Reg-15)

S. No.	Course Code	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
47	15A05609	Web and Internet Technologies Laboratory	2.8	1.87	2.8	1.87	1.87	—	—	—	—	—	—	1.87	1.87	1.87
48	15A05610	Data Warehousing & Mining Laboratory	2.7	2.7	1.8	2.7	1.8	1.8	—	1.8	—	1.8	—	1.8	1.8	1.8
49	15A52602	Advanced English Language Communication Skills Laboratory	—	—	—	—	—	0.87	1.73	0.87	0.87	0.87	—	1.73	0.87	0.87
50	15A52601	Management Science	—	2.8	2.8	1.87	1.87	—	—	1.87	1.87	1.87	1.87	—	—	1.87
51	15A05701	Grid & Cloud Computing	2.8	2.8	2.8	1.87	2.8	—	—	—	—	—	—	0.93	2.8	1.87
52	15A05702	Information Security	1.73	2.6	1.73	1.73	1.73	—	—	—	—	—	—	1.73	2.6	1.73
53	15A05703	Mobile Application Development	1.73	1.73	1.73	2.6	1.73	—	—	—	—	—	—	1.73	1.73	1.73
54	15A05704	Software Architecture	1.8	1.8	2.7	2.7	—	1.8	1.8	1.8	1.8	1.8	2.7	0.9	2.7	1.8
55	15A05707	Software Project Management	2.8	2.8	2.8	2.8	—	—	—	—	—	—	—	1.87	1.87	1.87
56	15A05710	Grid & Cloud Computing Laboratory	2.48	2.20	2.50	2.17					1.87			1.59	2.20	2.17
57	15A05711	Mobile Application Development Laboratory	1.87	2.8	2.8	1.87	1.87	—	—	—	—	—	—	1.87	2.8	1.87
58	15A05802	Mobile Computing	2.28	1.52	1.52	—	0.76	—	—	—	—	—	—	0.76	1.52	1.52
59	15A05806	Cyber Security	2.6	2.6	1.73	1.73	1.73	—	—	—	—	—	—	1.73	1.73	1.73
60	15A05807	Comprehensive Viva-Voce	1.87	1.87	1.87	1.87	1.87	—	—	—	—	—	—	0.93	1.87	1.87
61	15A05808	Technical Seminar	1.87	1.87	2.8	1.87	1.87	—	—	—	—	—	—	1.87	2.8	1.87
62	15A05809	Project Work	1.87	1.87	2.8	2.8	1.87	—	—	—	—	—	—	1.87	1.87	1.87
PO ATTAINMENT (DIRECT METHOD)			2.17	2.17	2.05	1.85	1.84	1.29	1.84	1.46	2	1.65	2.13	1.71	1.89	1.74

RAMIREDDY SUBBARAMI REDDY ENGINEERING COLLEGE

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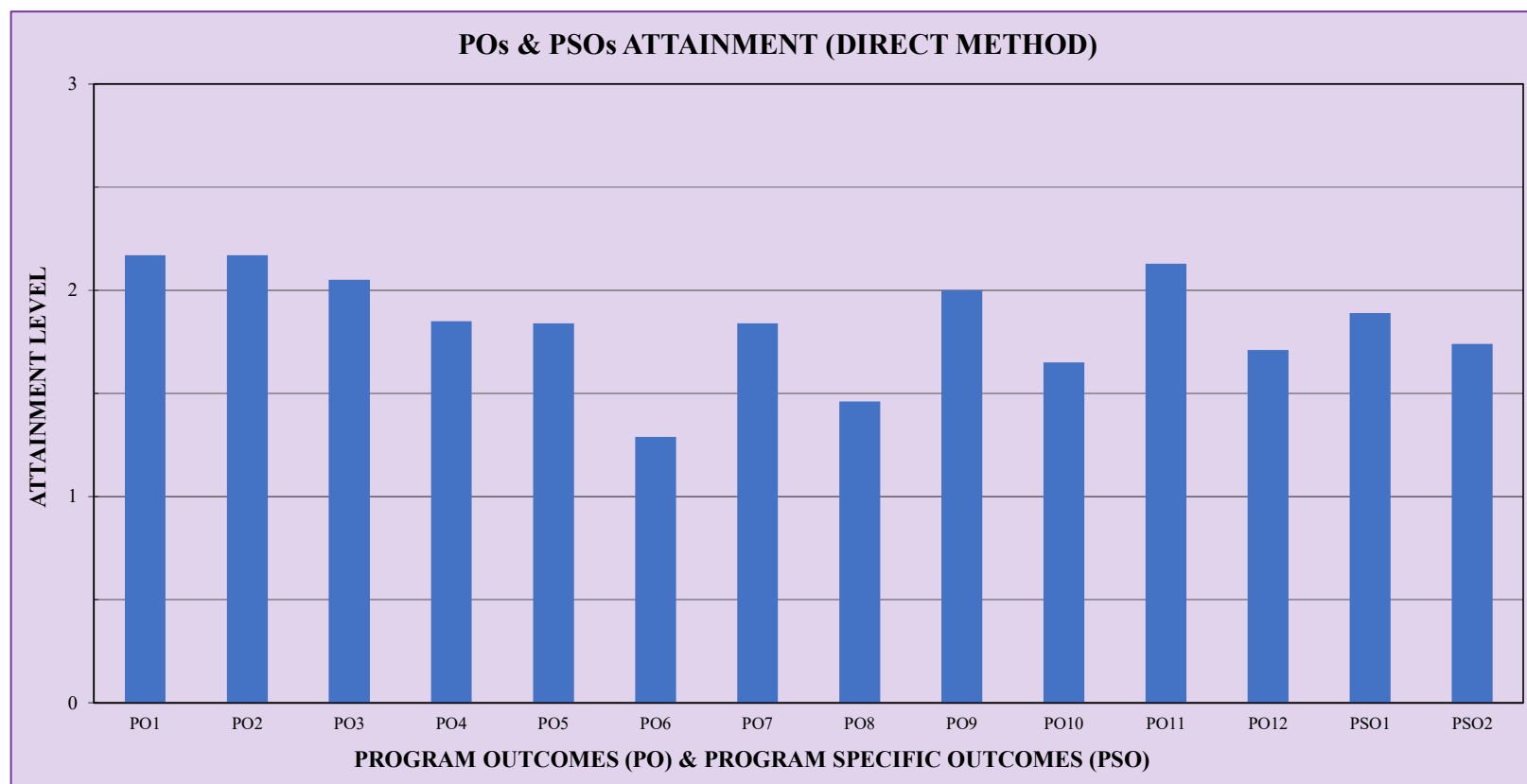
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

POs & PSOs ATTAINMENT (DIRECT ATTAINMENT METHOD)

BATCH 2017-2021 (Reg-15)

S. No.	Course Code	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
		PO ATTAINMENT (DIRECT METHOD)	2.17	2.17	2.05	1.85	1.84	1.29	1.84	1.46	2	1.65	2.13	1.71	1.89	1.74



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ALUMNI FEEDBACK

MAPPING OF POs & PSOs with Alumni Feedback

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PO's & PSO's ATTAINMENT (INDIRECT METHOD)

ALUMNI FEEDBACK

BATCH 2017-2021 (Reg-15)

ALUMNI FEEDBACK (Consolidated AVG MARKS Data)

S. No.	ITEMS	AVG (5)
1	Ambience	4.3
2	Environment	4.5
3	Infrastructure & Lab facilities	4.7
4	Faculty	4.8
5	Project Guidance	4.7
6	Quality of support material	4.7
7	Training & Placement	4.3
8	Library	4.5
9	Canteen Facilities	4.3
10	Hostel Facilities	4.5
11	Overall Rating of the Institute	4.5
12	Alumni Association/Network of Old Friends	4.1
13	Standards of Assessment System	4.5
14	Quality of Teaching	4.8

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PO's & PSO's ATTAINMENT (INDIRECT METHOD)

ALUMNI FEEDBACK

BATCH 2017-2021 (Reg-15)

POs & PSOs ATTAINMENT (ALUMNI FEEDBACK)

S. No.	ITEMS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	Ambience	0	0	0	0	1.72	2.58	0	1.72	2.58	0	0	0	1.72	1.72
2	Environment	0.9	0	1.8	0.9	1.8	1.8	2.7	0	1.8	1.8	0	0.9	2.7	1.8
3	Infrastructure & Lab facilities	1.88	1.88	2.82	2.82	2.82	0.94	0.94	2.82	2.82	1.88	1.88	0.94	1.88	2.82
4	Faculty	1.92	1.92	2.88	2.88	2.88	2.88	0.96	2.88	2.88	2.88	1.92	2.88	2.88	2.88
5	Project Guidance	1.88	2.82	2.82	2.82	2.82	0	0	2.82	2.82	2.82	2.82	0.94	2.82	2.82
6	Quality of support material	0	0	1.88	0	1.88	0	1.88	1.88	0	0	0.94	0	1.88	1.88
7	Training & Placement	1.72	1.72	1.72	1.72	2.58	0.86	0	2.58	2.58	2.58	0	1.72	1.72	1.72
8	Library	2.7	2.7	2.7	2.7	1.8	0.9	0.9	2.7	0.9	1.8	0	2.7	1.8	1.8
9	Canteen Facilities	0	0	0	0	0	0	1.72	1.72	0	0	0.86	0	0.86	0.86
10	Hostel Facilities	0	0	0	0	0	0	1.8	1.8	0.9	0	0	0	1.8	1.8
11	Overall Rating of the Institute	1.8	1.8	1.8	1.8	2.7	1.8	2.7	2.7	2.7	2.7	1.8	2.7	1.8	1.8
12	Alumni Association/Network of Old Friends	0	0	0	0	0	0	1.64	1.64	1.64	0	0	0	0.82	0.82
13	Standards of Assessment System	0	0	0	0	0	0	1.8	1.8	0.9	0	0	0	1.8	1.8
14	Quality of Teaching	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
	Alumni Feedbacks PO Attainment	1.96	2.25	2.37	2.32	2.39	1.83	1.81	2.3	2.12	2.42	1.87	1.96	1.95	1.96

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

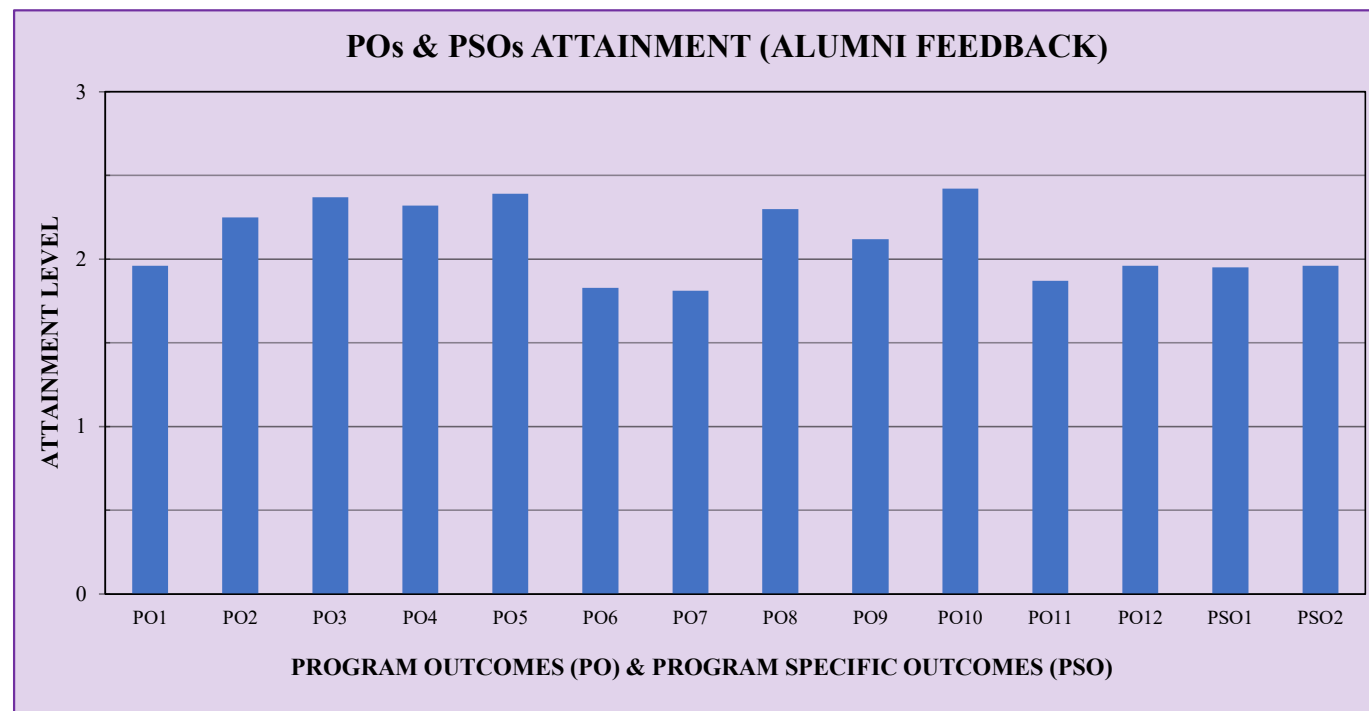
PO's & PSO's ATTAINMENT (INDIRECT METHOD)

ALUMNI FEEDBACK

BATCH 2017-2021 (Reg-15)

POs & PSOs ATTAINMENT (ALUMNI FEEDBACK)

S. No.	ITEMS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	Alumni Feedbacks PO Attainment	1.96	2.25	2.37	2.32	2.39	1.83	1.81	2.3	2.12	2.42	1.87	1.96	1.95	1.96



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PO's & PSO's ATTAINMENT (INDIRECT METHOD)

STUDENT FEEDBACK

BATCH 2017-2021 (Reg-15)

MAPPING OF POs & PSOs with Student Feedback

S. No.	ITEMS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	Course Content	2	3	3	3	3	1	2		2	2	2	2	2	2
2	Breadth of conceptual clarity	2	3	3	3	3	2	3	3	3	3	2	2	1	2
3	Evaluation Scheme								3	1	1			2	2
4	Involvement of faculty	2	2	2	2	3	2	2	3	3	3	2	2	2	3
5	Overall effectiveness of the course	3	3	3	3	3	3	2	3	3	3	3	3	2	2
6	Preparedness of the faculty	2	2	2	2	2	2	2		3	3	1	2	2	2
7	Quality of interaction	3	2	1	1	1	1		3	3	1			3	3
8	Quality of Rigor					3	2	3	3	3	3			2	2
9	Sequencing of the topics	3	2	2	2	2			2		2			2	2
10	Style of topics delivery	3	2	2	2						2			2	2
11	Time allotted for each topic	3	2	2	2	3					3			2	2
12	Value addition provided by the course			3	3					2	3			2	2

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PO's & PSO's ATTAINMENT (INDIRECT METHOD)

STUDENT FEEDBACK

BATCH 2017-2021 (Reg-15)

STUDENT FEEDBACK (Consolidated AVG MARKS Data)

S. No.	ITEMS	AVG (5)
1	Course Content	4.2
2	Breadth of conceptual clarity	4.3
3	Evaluation Scheme	4.2
4	Involvement of faculty	4.8
5	Overall effectiveness of the course	4.5
6	Preparedness of the faculty	4.6
7	Quality of interaction	4.6
8	Quality of Rigor	4.5
9	Sequencing of the topics	4.6
10	Style of topics delivery	4.6
11	Time allotted for each topic	4.5
12	Value addition provided by the course	4.2

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PO's & PSO's ATTAINMENT (INDIRECT METHOD)

STUDENT FEEDBACK

BATCH 2017-2021 (Reg-15)

POs & PSOs ATTAINMENT (STUDENT FEEDBACK)

S. No.	ITEMS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	Course Content	1.68	2.52	2.52	2.52	2.52	0.84	1.68	0	1.68	1.68	1.68	1.68	1.68	1.68
2	Breadth of conceptual clarity	1.72	2.58	2.58	2.58	2.58	1.72	2.58	2.58	2.58	2.58	1.72	1.72	0.86	1.72
3	Evaluation Scheme	0	0	0	0	0	0	0	2.52	0.84	0.84	0	0	1.68	1.68
4	Involvement of faculty	1.92	1.92	1.92	1.92	2.88	1.92	1.92	2.88	2.88	2.88	1.92	1.92	1.92	2.88
5	Overall effectiveness of the course	2.7	2.7	2.7	2.7	2.7	2.7	1.8	2.7	2.7	2.7	2.7	2.7	1.8	1.8
6	Preparedness of the faculty	1.84	1.84	1.84	1.84	1.84	1.84	1.84	0	2.76	2.76	0.92	1.84	1.84	1.84
7	Quality of interaction	2.76	1.84	0.92	0.92	0.92	0.92	0	2.76	2.76	0.92	0	0	2.76	2.76
8	Quality of Rigor	0	0	0	0	2.7	1.8	2.7	2.7	2.7	2.7	0	0	1.8	1.8
9	Sequencing of the topics	2.76	1.84	1.84	1.84	1.84	0	0	1.84	0	1.84	0	0	1.84	1.84
10	Style of topics delivery	2.76	1.84	1.84	1.84	0	0	0	0	0	1.84	0	0	1.84	1.84
11	Time allotted for each topic	2.7	1.8	1.8	1.8	2.7	0	0	0	0	2.7	0	0	1.8	1.8
12	Value addition provided by the course	0	0	2.52	2.52	0	0	0	0	1.68	2.52	0	0	1.68	1.68
	Student Feedbacks PO Attainment	2.32	2.1	2.05	2.05	2.3	1.68	2.09	2.57	2.29	2.16	1.79	1.97	1.79	1.94

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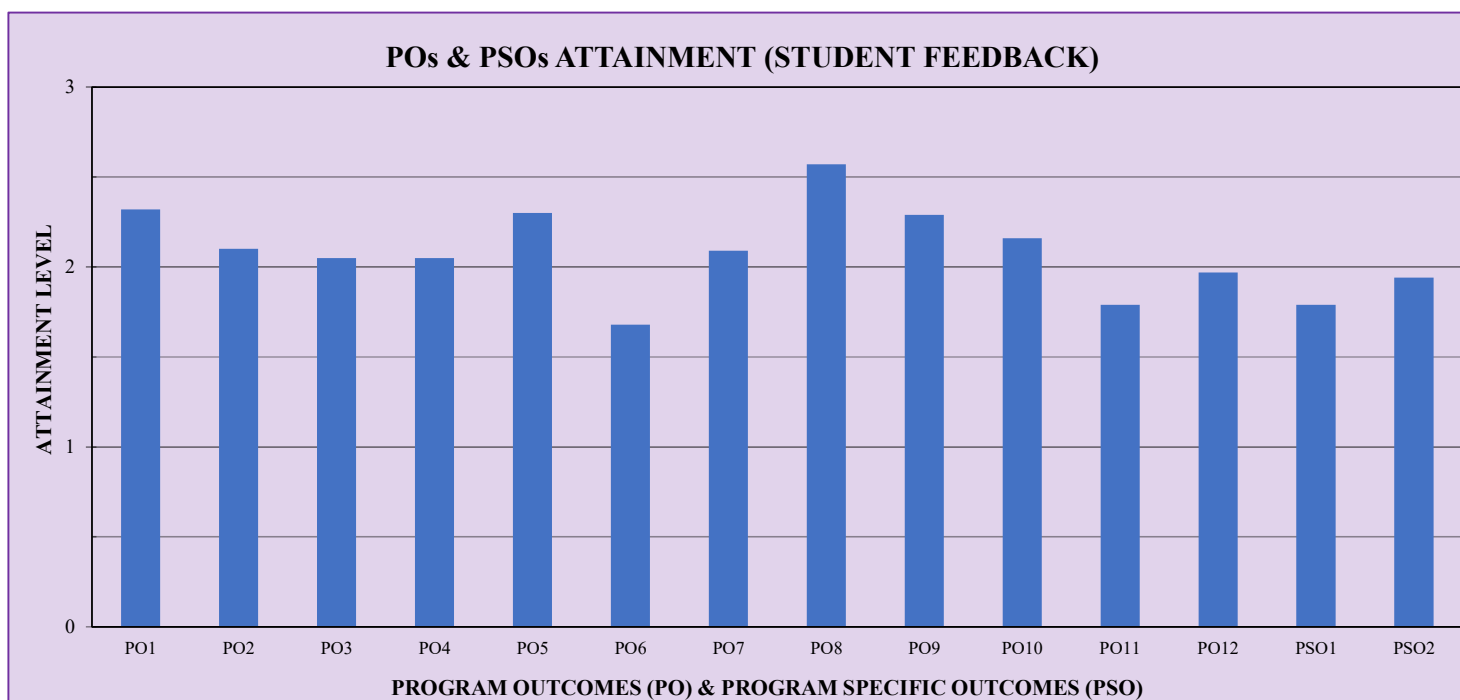
PO's & PSO's ATTAINMENT (INDIRECT METHOD)

STUDENT FEEDBACK

BATCH 2017-2021 (Reg-15)

POs & PSOs ATTAINMENT (STUDENT FEEDBACK)

S. No.	ITEMS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	Student Feedbacks PO Attainment	2.32	2.1	2.05	2.05	2.3	1.68	2.09	2.57	2.29	2.16	1.79	1.97	1.79	1.94



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PO's & PSO's ATTAINMENT (INDIRECT METHOD)

TEACHER'S FEEDBACK

BATCH 2017-2021 (Reg-15)

MAPPING OF POs & PSOs with Teacher's Feedback

S. No.	ITEMS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	Environment in the Department is conducive to Teaching	3	3	3	3	3	3	2	3	3	3	2	3	2	2
2	Provision of incentives to promote research publication	2	2	3	3	3	3	2	3	3	3	3	2	2	2
3	Prescribed books availability in the Library	3	3	3	3	3	3	3	3	2	3	1	3	3	3
4	Infrastructural facilities in the Department					3	3	3	3	2		3	2	2	3
5	Conduction of Examinations with proper coverage of all units in the syllabus	2				2		3	3	3	2	3	2	3	3
6	Freedom to adopt new Techniques/strategies in teaching	3	3	3	3	3	3	3	3	3	3	3	2	2	2
7	Adequate funding and support to faculty members for attending conferences	2	2	3	3	3	3	2	3	3	3	3	2	2	2
8	Adequate and smooth support/incentives for projects and research facilities	2	3	3	3	3	2	2	3	3	3	3	3	2	2
9	Adequate funding and support to faculty members for upgrading their skills and qualifications	2	3	3	3	3	2	3	3	3	3	3	3	2	2
10	Fair and transparent Evaluation of answer scripts					2			3	3	3	3	1	3	3

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PO's & PSO's ATTAINMENT (INDIRECT METHOD)

TEACHER'S FEEDBACK

BATCH 2017-2021 (Reg-15)

TEACHER'S FEEDBACK (Consolidated AVG MARKS Data)

S. No.	ITEMS	AVG (5)
1	Environment in the Department isConducive to Teaching	4.5
2	Provision of incentives to promote research publication	4.4
3	Prescribed books availability in the Library	4.8
4	Infrastructural facilities in the Department	4.7
5	Conduction of Examinations with proper coverage of all units in the syllabus	4.8
6	Freedom to adopt new Techniques/strategies in teaching	4.7
7	Adequate funding and support to faculty members for attending conferences	4.6
8	Adequate and smooth support/incentives for projects and research facilities	4.6
9	Adequate funding and support to faculty members for upgrading their skills and qualifications	4.6
10	Fair and transparent Evaluation of answer scripts	4.8

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PO's & PSO's ATTAINMENT (INDIRECT METHOD)

TEACHER'S FEEDBACK

BATCH 2017-2021 (Reg-15)

POs & PSOs ATTAINMENT (TEACHER'S FEEDBACK)

S. No.	ITEMS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	Environment in the Department is conducive to Teaching	2.7	2.7	2.7	2.7	2.7	2.7	1.8	2.7	2.7	2.7	1.8	2.7	1.8	1.8
2	Provision of incentives to promote research publication	1.76	1.76	2.64	2.64	2.64	2.64	1.76	2.64	2.64	2.64	2.64	1.76	1.76	1.76
3	Prescribed books availability in the Library	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	1.92	2.88	0.96	2.88	2.88	2.88
4	Infrastructural facilities in the Department	0	0	0	0	2.82	2.82	2.82	2.82	1.88	0	2.82	1.88	1.88	2.82
5	Conduction of Examinations with proper coverage of all units in the syllabus	1.92	0	0	0	1.92	0	2.88	2.88	2.88	1.92	2.88	1.92	2.88	2.88
6	Freedom to adopt new Techniques/strategies in teaching	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	1.88	1.88	1.88
7	Adequate funding and support to faculty members for attending conferences	1.84	1.84	2.76	2.76	2.76	2.76	1.84	2.76	2.76	2.76	2.76	1.84	1.84	1.84
8	Adequate and smooth support/incentives for projects and research facilities	1.84	2.76	2.76	2.76	2.76	1.84	1.84	2.76	2.76	2.76	2.76	2.76	1.84	1.84
9	Adequate funding and support to faculty members for upgrading their skills and qualifications	1.84	2.76	2.76	2.76	2.76	1.84	2.76	2.76	2.76	2.76	2.76	2.76	1.84	1.84
10	Fair and transparent Evaluation of answer scripts	0	0	0	0	1.92	0	0	2.88	2.88	2.88	2.88	0.96	2.88	2.88
	Teachers Feedbacks PO Attainment	2.2	2.5	2.76	2.76	2.6	2.54	2.38	2.79	2.6	2.68	2.51	2.13	2.15	2.24

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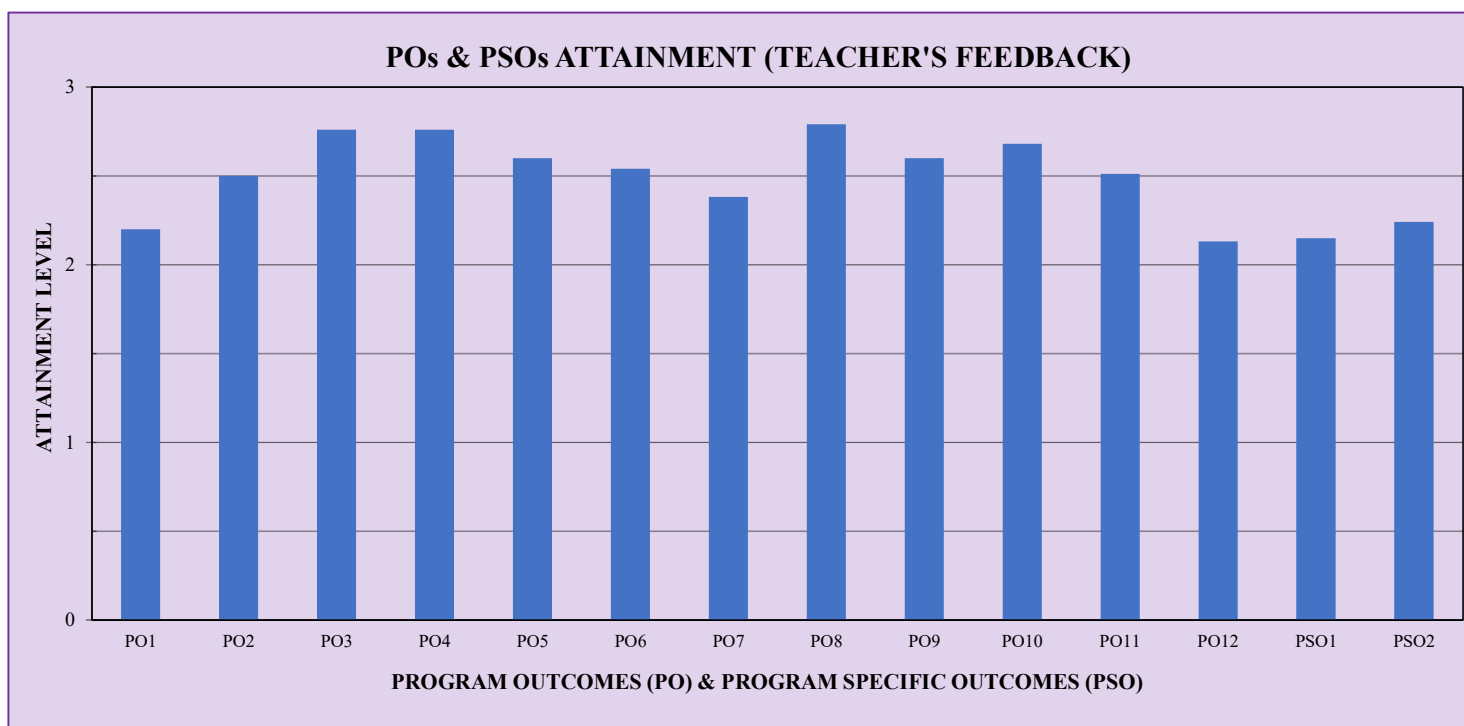
PO's & PSO's ATTAINMENT (INDIRECT METHOD)

TEACHER'S FEEDBACK

BATCH 2017-2021 (Reg-15)

POs & PSOs ATTAINMENT (TEACHER'S FEEDBACK)

S. No.	ITEMS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	Teachers Feedbacks PO Attainment	2.2	2.5	2.76	2.76	2.6	2.54	2.38	2.79	2.6	2.68	2.51	2.13	2.15	2.24



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PO's & PSO's ATTAINMENT (INDIRECT METHOD)

EMPLOYER FEEDBACK

BATCH 2017-2021 (Reg-15)

MAPPING OF POs & PSOs with Employer Feedback

S. No.	ITEMS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	Communication skills of RSR engg college students	3	3	3	2	3	2	2	3	3	3	3	3	2	2
2	Ability to develop practical solutions to work place problems	3	2	2	2	3		3	3	3	2	3		2	2
3	Working as a team member	2	2	2	2	3			3	3	3	3		3	3
4	Creative in facing the work place challenges	3	3	2	2	3			2	3	3			2	3
5	Their planning and organization skills	3	3	3	3	3		2	2	3	3	2		2	2
6	Open to new ideas and learning new techniques	3	3	3	3	3	3	2	3	3	3	3		2	3
7	Using technology and work place equipment			2	2	3				3	3	2		2	3
8	Technical skills	3	3	3	3	3			2	3		3	3	2	2
9	Ability to manage qualities					2				3	3			2	2
10	Involvement in social activities						3	3		3	2			3	3
11	Innovativeness, creativity	2	2	3	3		2	3		3	3	3		2	2
12	Obligation to work beyond schedule if required		1	2	3	3				2		2		2	2

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PO's & PSO's ATTAINMENT (INDIRECT METHOD)

EMPLOYER FEEDBACK

BATCH 2017-2021 (Reg-15)

EMPLOYER FEEDBACK (Consolidated AVG MARKS Data)

S. No.	ITEMS	AVG (5)
1	Communication skills of RSR engg college students	4.45
2	Ability to develop practical solutions to work place problems	4.75
3	Working as a team member	4.85
4	Creative in facing the work place challenges	4.7
5	Their planning and organization skills	4.7
6	Open to new ideas and learning new techniques	4.4
7	Using technology and work place equipment	4.35
8	Technical skills	4.8
9	Ability to manage qualities	4.45
10	Involvement in social activities	4.9
11	Innovativeness, creativity	4.25
12	Obligation to work beyond schedule if required	4.55

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PO's & PSO's ATTAINMENT (INDIRECT METHOD)

EMPLOYER FEEDBACK

BATCH 2017-2021 (Reg-15)

POs & PSOs ATTAINMENT (EMPLOYER FEEDBACK)

S. No.	ITEMS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	Communication skills of RSR engg college students	2.67	2.67	2.67	1.78	2.67	1.78	1.78	2.67	2.67	2.67	2.67	2.67	1.78	1.78
2	Ability to develop practical solutions to work place problems	2.85	1.9	1.9	1.9	2.85	0	2.85	2.85	2.85	1.9	2.85	0	1.9	1.9
3	Working as a team member	1.94	1.94	1.94	1.94	2.91	0	0	2.91	2.91	2.91	2.91	0	2.91	2.91
4	Creative in facing the work place challenges	2.82	2.82	1.88	1.88	2.82	0	0	1.88	2.82	2.82	0	0	1.88	2.82
5	Their planning and organization skills	2.82	2.82	2.82	2.82	2.82	0	1.88	1.88	2.82	2.82	1.88	0	1.88	1.88
6	Open to new ideas and learning new techniques	2.64	2.64	2.64	2.64	2.64	2.64	1.76	2.64	2.64	2.64	2.64	0	1.76	2.64
7	Using technology and work place equipment	0	0	1.74	1.74	2.61	0	0	0	2.61	2.61	1.74	0	1.74	2.61
8	Technical skills	2.88	2.88	2.88	2.88	2.88	0	0	1.92	2.88	0	2.88	2.88	1.92	1.92
9	Ability to manage qualities	0	0	0	0	1.78	0	0	0	2.67	2.67	0	0	1.78	1.78
10	Involvement in social activities	0	0	0	0	0	2.94	2.94	0	2.94	1.96	0	0	2.94	2.94
11	Innovativeness, creativity	1.7	1.7	2.55	2.55	0	1.7	2.55	0	2.55	2.55	2.55	0	1.7	1.7
12	Obligation to work beyond schedule if required	0	0.91	1.82	2.73	2.73	0	0	0	1.82	0	1.82	0	1.82	1.82
	Employer Feedbacks PO Attainment	2.54	2.25	2.28	2.29	2.67	2.27	2.29	2.39	2.68	2.56	2.44	2.78	2	2.23

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

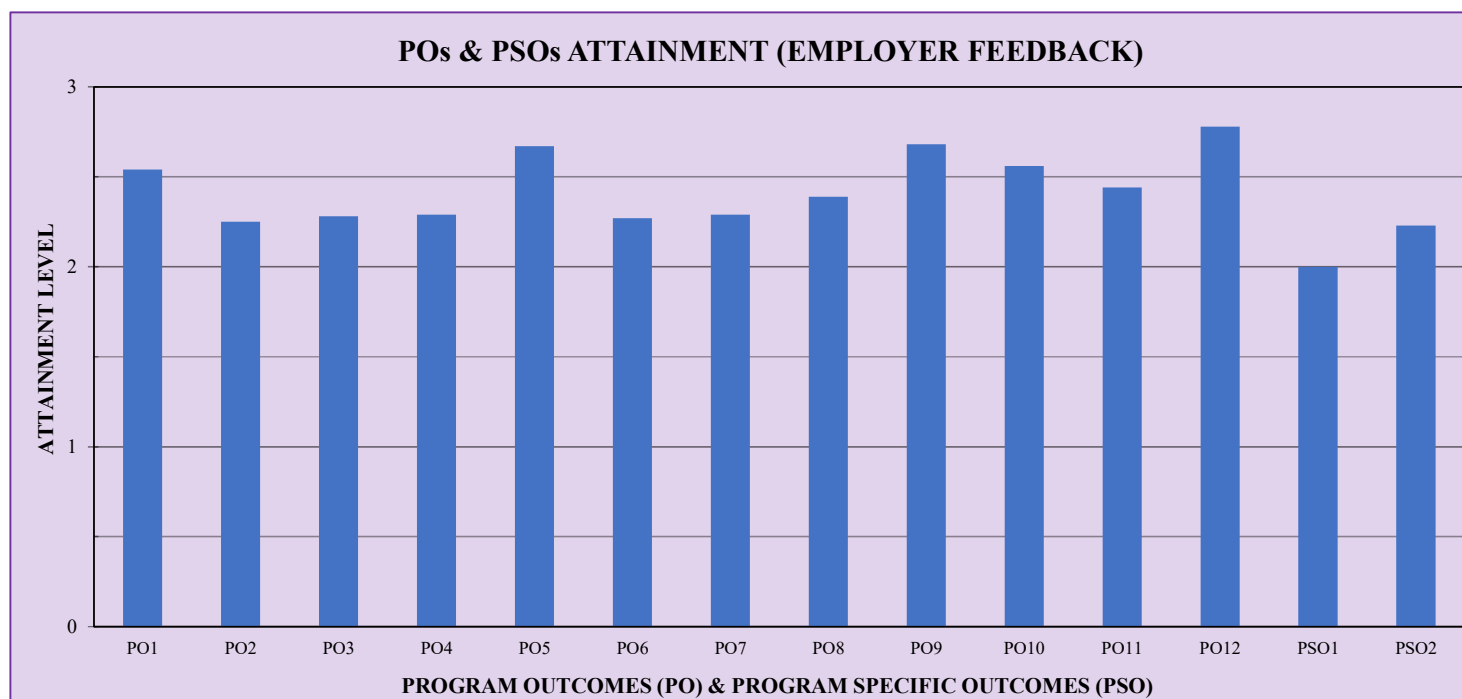
PO's & PSO's ATTAINMENT (INDIRECT METHOD)

EMPLOYER FEEDBACK

BATCH 2017-2021 (Reg-15)

POs & PSOs ATTAINMENT (EMPLOYER FEEDBACK)

S. No.	ITEMS	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
	Employer Feedbacks PO Attainment	2.54	2.25	2.28	2.29	2.67	2.27	2.29	2.39	2.68	2.56	2.44	2.78	2	2.23



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PO's & PSO's ATTAINMENT

BATCH 2017-2021 (Reg-15)

POs & PSOs (INDIRECT ATTAINMENT)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Alumni Feedback Survey	1.96	2.25	2.37	2.32	2.39	1.83	1.81	2.3	2.12	2.42	1.87	1.96	1.95	1.96
Students Feedback Survey	2.32	2.1	2.05	2.05	2.3	1.68	2.09	2.57	2.29	2.16	1.79	1.97	1.79	1.94
Teacher's Feedback Survey	2.2	2.5	2.76	2.76	2.6	2.54	2.38	2.79	2.6	2.68	2.51	2.13	2.15	2.24
Employer's Feedback Survey	2.54	2.25	2.28	2.29	2.67	2.27	2.29	2.39	2.68	2.56	2.44	2.78	2	2.23
INDIRECT ATTAINMENT	2.26	2.28	2.37	2.36	2.49	2.08	2.14	2.51	2.42	2.46	2.15	2.21	1.97	2.09

POs & PSOs (OVER ALL ATTAINMENT)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
DIRECT ATTAINMENT (DA)	2.17	2.17	2.05	1.85	1.84	1.29	1.84	1.46	2	1.65	2.13	1.71	1.89	1.74
INDIRECT ATTAINMENT (IDA)	2.26	2.28	2.37	2.36	2.49	2.08	2.14	2.51	2.42	2.46	2.15	2.21	1.97	2.09
OVER ALL ATTAINMENT (DA-70% & IDA-30%)	2.2	2.2	2.15	2	2.04	1.53	1.93	1.78	2.13	1.89	2.14	1.86	1.91	1.85

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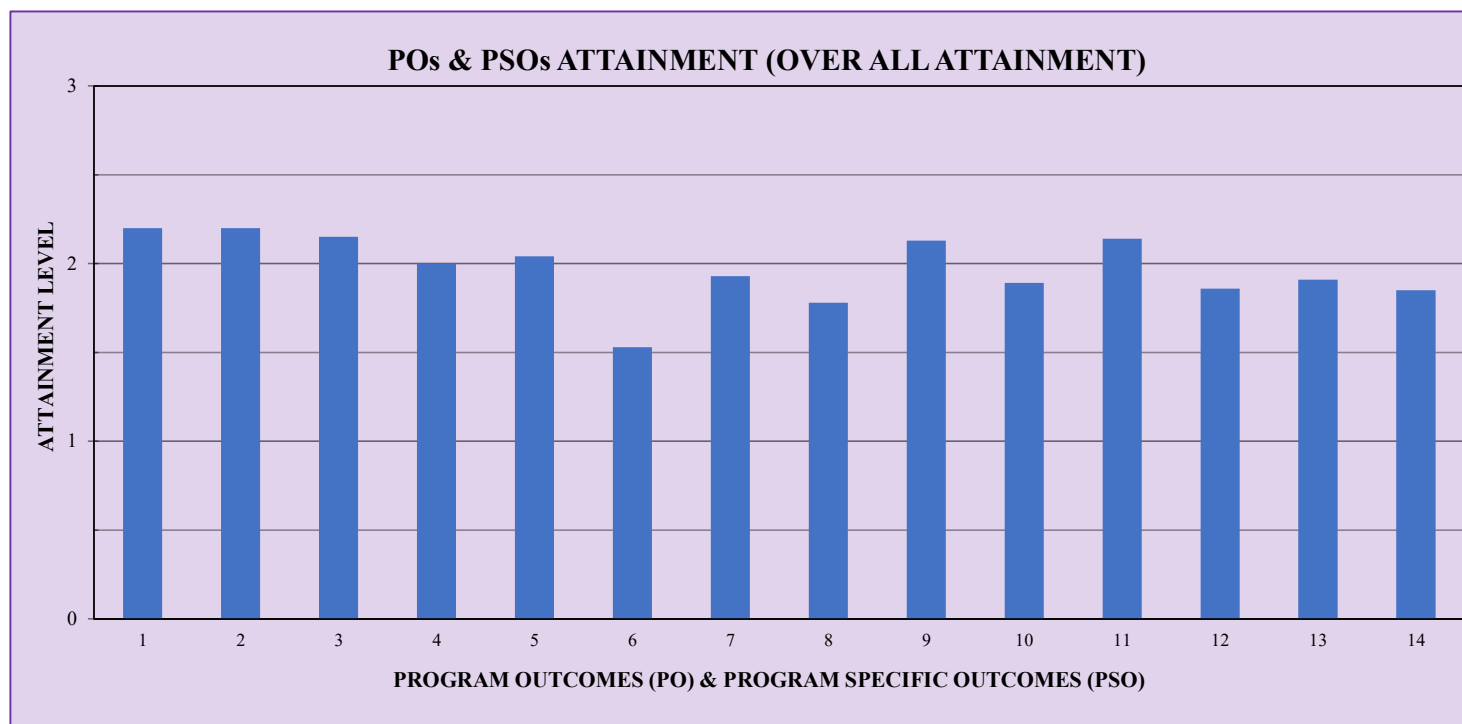
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PO's & PSO's ATTAINMENT

BATCH 2017-2021 (Reg-15)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
OVER ALL ATTAINMENT	2.2	2.2	2.15	2	2.04	1.53	1.93	1.78	2.13	1.89	2.14	1.86	1.91	1.85



ATTAINMENT OF PO & CO

BATCH 2017- 2021

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PO's ATTAINMENT (OVERALL) (UG)

B.TECH. BATCH 2017-2021 (Reg-15)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING	2.23	2.09	1.82	1.69	1.87	1.51	1.85	1.54	1.85	1.79	2.09	1.66
DEPARTMENT OF ELECTRICAL & ELECTRONIC ENGINEERING	1.98	1.88	1.73	1.69	1.88	1.57	1.76	1.8	2.07	1.91	1.9	1.66
DEPARTMENT OF COMPUTER SCIENCE ENGINEERING	2.2	2.2	2.15	2	2.04	1.53	1.93	1.78	2.13	1.89	2.14	1.86
DEPARTMENT OF MECHANICAL ENGINEERING	2.15	2.08	1.98	1.83	2.07	1.43	1.47	1.5	1.75	1.9	2.18	1.74
DEPARTMENT OF CIVIL ENGINEERING	2.14	1.93	1.76	1.61	1.73	1.51	1.61	1.73	1.86	1.7	1.49	1.62
OVER ALL ATTAINMENT	2.14	2.04	1.89	1.76	1.92	1.51	1.72	1.67	1.93	1.84	1.96	1.71

