



POORNIMA

COLLEGE OF ENGINEERING

Promoted by Shanti Education Society, Affiliated to Rajasthan Technical University & Approved by AICTE

Department of Computer Engineering

Session 2021-22

CO, PO and PSO Target and Attainment, Observations and Action Taken Report (CSR)

1.1 CO-Target and Attainment

S. No.	Course Code	Course Name	Batch	Year	Average Target	Cumulative Attainment
1	1FY2-01	Engineering Mathematics-I	2021-25	I Year	2.00	1.93
2	1FY2-02	Engineering Physics			2.00	1.85
3	1FY1-05	Human Values			2.00	1.85
4	1FY3-06	Programming for Problem Solving			2.00	1.67
5	1FY3-09	Basic Civil Engineering			2.00	1.81
6	1FY2-20	Engineering Physics Lab			1.87	1.53
7	1FY1-23	Human Values Activities and Sports			2.00	1.50
8	1FY3-24	Computer Programming Lab			2.00	1.64
9	1FY3-27	Basic Civil Engineering Lab			2.25	1.48
10	1FY3-28	Computer Aided Engineering Graphics			2.00	1.53
11	2FY2-01	Engineering Mathematics-II			2.00	1.47
12	2FY2-03	Engineering Chemistry			2.00	1.43
13	2FY1-04	Communication Skills			2.11	1.95
14	1FY3-07	Basic Mechanical Engineering			1.75	1.75
15	2FY3-08	Basic Electrical Engineering			2.00	1.68
16	2FY2-21	Engineering Chemistry Lab			1.25	1.47
17	2FY1-22	Language Lab			1.75	1.70
18	2FY3-26	Basic Electrical Engineering Lab			2.12	1.97
19	1FY3-25	Manufacturing Practices Workshop			2.00	1.77
20	2FY3-29	Computer Aided Machine Drawing			2.00	1.76

1.2 PO and PSO-Target and Attainment

S. No.	PO and PSO	Batch	Year	Average Target	Average Attainment
1	PO1: Engineering knowledge	2021-25	I Year	2.00	1.75
2	PO2: Problem analysis			1.82	1.34
3	PO3: Design/development of solutions			1.00	0.91
4	PO4: Conduct investigations of complex problems.			-	-
5	PO5: Modern tool usage			2.50	1.23
6	PO6: The engineer and society			2.00	1.51
7	PO7: Environment and sustainability			2.00	1.47



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8	PO8: Ethics			2.00	1.90
9	PO9: Individual and team work.			2.70	1.78
10	PO10: Communication			2.00	1.59
11	PO11: Project management and finance			-	-
12	PO12: Life-long learning			2.00	1.87
13	PSO1: Computing Knowledge			1.44	1.41
14	PSO2: Evolutionary changes in computing			1.80	1.25
15	PSO3: Modern computing tools			1.00	0.97

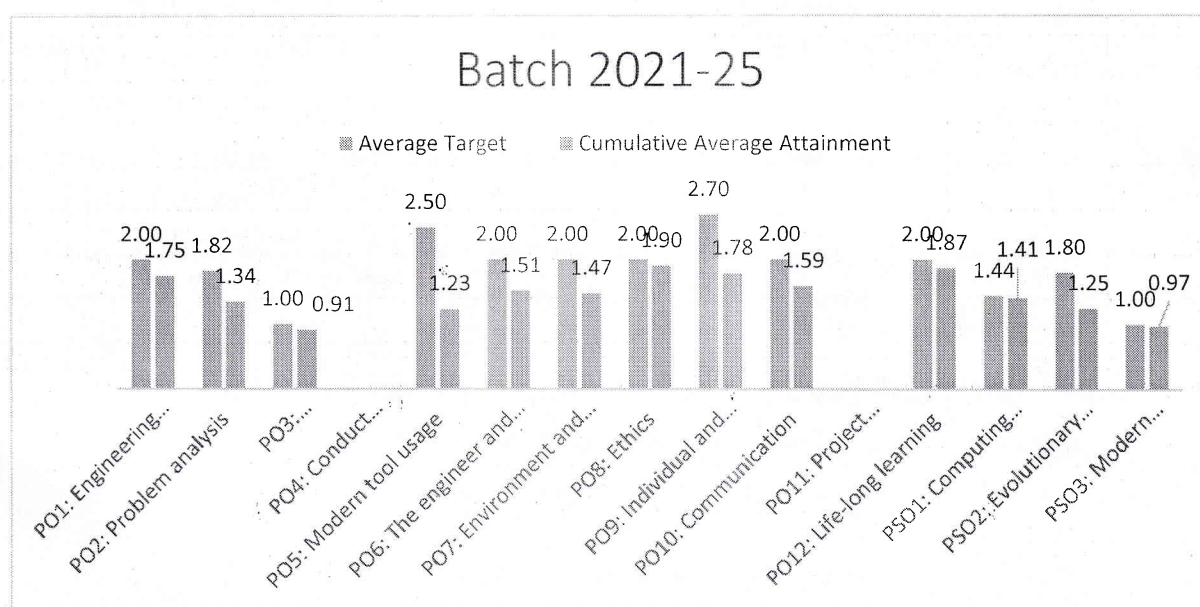


Figure 1: Analysis of PO and PSO attainment (Batch 2021-25)

1.3 Analysis of PO and PSO Attainment

Table 1.1: PO Attainment, Target and Gaps (2021-25)

POs / PSOs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO 2	PSO3
Attainment	2.00	1.82	1.00		2.50	2.00	2.00	2.00	2.70	2.00		2.00	1.44	1.80	1.00
Target	1.75	1.34	0.91		1.23	1.51	1.47	1.9	1.78	1.59		1.87	1.41	1.25	0.97
Gap	0.25	0.48	0.09		1.27	0.49	0.53	0.10	0.92	0.41		0.13	0.03	0.55	0.03



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1.4 Observations

Table 1.2: Achieved Level of PO / PSO (Batch 2021-25)

PO / PSO	Achieved Level
PO5	Below Average (<50%)
PO9 and PSO2	Average ($\geq 50\%$ but $< 70\%$)
PO1, PO2, PO3, PO6, PO7, PO8, PO10, PO12, PSO1 and PSO3	Above Average ($\geq 70\%$)

Batch (2021-25): After analysis of the table 1.2 of PO / PSO attainment for batch 2021-25, it has been observed that the attainment level of PO5 are falling below average. PO9 and PSO2 are attainment on average. The attainment level of PO1, PO2, PO3, PO6, PO7, PO8, PO10, PO12, PSO1 and PSO3 are above average.

1.5 Actions Taken

- Modern tool usage in PO5 is attained below average. Google classroom quiz are being conducted for particular subjects.
- Individual and team work in PO9 and Evolutionary changes in computing in PSO 2 are attained average. For students "Self Help Group" (SHG) concept is applied for solving the tutorials in order to improve team work skills among them.
- Students are participating in various conduction i.e. industrial visits, workshop, seminars, conferences and outside participations for further enhancement of the attained PO and PSO.

