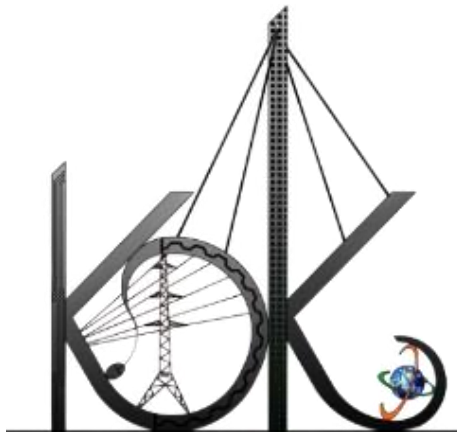


KDK College of Engineering Nagpur



Department of Information Technology

CO-PO-PSO Attainment

Session :- 2022 - 23

KDK COLLEGE OF ENGINEERING, NAGPUR

CO-PO Attainment of Information Technology Department

Sr · N o.	COUR SE CODE	Subjects	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	C101	Applied Mathematics– I	1.65	1.65	-	-	-	-	-	-	-	-	-	0.55	0.95	
2	C102	Engineering Physics	1.25	0.84	-	-	-	-	-	-	-	-	-	0.42	1.89	1.89
3	C102 P	Engineering Physics (Practical)	3.00	2.00	-	-	-	-	-	1.00	2.00	-	-	1.00	1.33	1.33
4	C103	Engineering Chemistry	1.36	0.68	-	-	-	0.44	0.44	-	-	-	-	0.45	0.96	0.96
5	C103 P	Engineering Chemistry (Practical)	3.00	-	-	-	-	-	1.00	-	1.00	1.00	-	1.00		
6	C104	Basic Electrical Engineering	1.19	1.19	0.00	-	-	-	-	-	-	-	-	1.19	1.46	
7	C104 P	Basic Electrical Engineering (Practical)	3.00	3.00	0.00	1.00	-	3.00	3.00	2.00	1.00	2.00	-	2.00	2.00	
8	C105	Basics of Civil Engineering	2.81	2.81	0.00	-	-	0.94	2.11	-	0.94	1.88	-	0.94		
9	C106	Engineering Graphics-I	1.36	0.91	0.00	-	-	-	-	-	-	-	-	1.03	1.91	0.96
10	C106 P	Engineering Graphics –I (Practical)	3.00	2.00	0.00	-	-	-	-	-	-	-	-	2.33	3.00	3.00
11	C107 P	Communication Skill(Practical)	-	-	0.00	-	-	-	-	-	2.00	3.00	-	3.00	2.00	2.00
12	C108 P	Computational Skills (Practical)	2.50	1.50	0.00	-	1.00	-	-	-	2.00	-	-	2.00		1.00
13	C201	Applied Mathematics– II	3.00	3.00	0.00	-	-	-	-	-	-	-	-	1.00	1.00	
14	C202	Advanced Physics	1.09	1.09	0.00	-	-	-	-	-	-	-	-	0.36	1.74	1.49
15	C202 P	Advanced Physics (Practical)	2.00	2.00	0.00	-	-	-	-	-	2.00	1.00	-	1.00		
16	C203	Materials Chemistry	1.71	1.71	0.00	-	-	0.57	1.29	-	0.57	1.14	-	1.00	0.99	
17	C203 P	Materials Chemistry (Practical)	3.00	3.00	0.00	-	1.00	1.00	1.00	1.00	3.00	2.00	-	1.50	0.94	
18	C204	Engineering Mechanics	0.95	0.74	0.00	0.42	-	-	-	-	-	0.42	-	0.42		
19	C204 P	Engineering Mechanics (Practical)	3.00	2.67	0.00	-	-	-	-	1.00	1.00	2.00	-	3.00		
20	C205	Advanced Electrical Engineering	2.92	2.68	0.00	-	0.97	1.94	1.93	-	-	-	-	2.92	2.00	
21	C206 P	Engineering Graphics – II	3.00	2.00	0.00	-	2.50	-	-	-	2.00	-	-	2.33	1.92	0.96

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Sr. No.	COURSE CODE	Subjects	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
		(Practical)														
22	C207 P	Workshop (Practical)	3.00	-	0.00	-	-	1.00	-	1.00	2.00	2.00	-	2.00	3.00	2.00
23	C208 P	Ethical Sciences	-	-	0	-	-	2.0	1.5	2.0	1.0	1.8	-	2.0		
24	C301	Applied Mathematics-III	1.30	1.30	0.00	-	-	-	-	-	-	-	-	0.87		
25	C302	Programming Logic and Design using 'C'	1.23	1.23	0.00	0.55	0.90	-	-	0.70	0.76	0.42	-	0.96	1.23	0.82
26	C303P	Programming Logic and Design using 'C'(Practical)	3.00	3.00	0.00	2.00	2.00	-	-	2.00	3.00	-	-	3.00	3.00	3.00
27	C304	Ethics in Information Technology	0.43	-	0.00	-	-	0.57	0.43	1.29	-	-	-	0.86	1.29	0.79
28	C305	Digital Electronics and Fundamentals of Microprocessor	1.25	1.25	0.00	0.84	0.68	-	-	-	0.42	-	-	0.83	1.25	0.77
29	C306P	Digital Electronics and Fundamentals of Microprocessor (Practical)	3.00	3.00	0.00	2.00	2.00	-	-	2.00	3.00	-	-	3.00	2.50	3.00
30	C307	Data Communication	1.33	1.33	0.00	0.88	0.88	-	-	-	0.44	-	-	0.89	1.33	0.89
31	C401	Computer Lab-I(Practical)	3.00	2.00	0.00	2.00	2.00	-	-	2.00	3.00	-	-	3.00	2.00	3.00
32	C402	Discrete Mathematics and Graph Theory	1.70	1.70	0.00	1.16	0.91	-	-	-	-	-	-	0.76	1.04	1.04
33	C403P	Algorithms and Data Structures	1.26	1.26	0.00	0.84	0.84	-	-	0.49	0.42	-	-	0.98	1.26	1.20
34	C404	Algorithms and Data Structures(Practical)	3.00	3.00	0.00	2.00	2.00	-	-	2.00	3.00	-	-	3.00	3.00	3.00
35	C405	Theory of Computation	1.31	1.31	0.00	1.02	0.87	-	-	-	-	-	-	0.87	1.31	0.87
36	C406	Computer Architecture and Organization	1.24	1.24	0.00	0.84	0.66	-	-	-	-	-	-	0.41	1.24	0.75
37	C407P	Object Oriented Methodology	1.24	1.24	0.00	1.04	0.83	0.62	-	-	-	-	-	0.97	1.24	0.83
38	C408P	Object Oriented Methodology(Practical)	3.00	3.00	0.00	2.00	2.00	-	-	2.00	3.00	-	-	3.00	3.00	3.00
39	C501	Computer Lab-II(Practical)	3.00	2.00	0.00	2.00	2.00	-	-	2.00	3.00	-	-	3.00	2.00	3.00

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Sr. No.	COURSE CODE	Subjects	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
40	C502	System Programming	1.34	1.34	0.00	0.97	0.47	-	-	0.38	-	-	-	0.45	1.11	0.89
41	C503	Design and Analysis of Algorithms	1.26	1.26	0.00	0.84	0.84	-	-	0.42	0.42	-	-	0.84	1.26	0.84
42	C504	Software Engineering	1.23	1.23	0.00	0.82	0.93	-	-	0.82	0.82	-	0.96	1.23	0.82	1.02
43	C504P	Software Engineering(Practical)	3.00	3.00	0.00	2.00	3.00	2.00	-	3.00	3.00	1.00	2.00	3.00	2.00	3.00
44	C505	Computer Graphics	1.00	1.29	0.00	1.06	0.85	-	-	0.42	0.43	-	-	0.86	1.29	0.86
45	C506P	Computer Graphics(Practical)	3.00	3.00	0.00	2.00	2.00	-	-	2.00	3.00	-	-	2.00	3.00	3.00
46	C507	Java Programming	1.24	1.17	0.00	0.83	0.83	-	-	0.41	0.83	-	0.83	0.83	1.24	0.83
47	C508P	Java Programming (Practical)	3.00	3.00	0.00	2.00	2.00	-	-	2.00	3.00	-	-	3.00	3.00	3.00
48	C601	Industrial Economics and Entrepreneurship Development	0.90	0.98	0.00	-	-	0.45	0.45	0.37	-	0.45	0.90	0.90	0.45	0.90
49	C602	Computer Networks	2.78	2.78	0.00	1.55	1.48	-	-	-	1.85	-	-	1.70	2.84	2.84
50	C603	Operating Systems	2.86	2.70	0.00	1.43	1.91	-	-	-	0.96	-	-	1.91	2.90	2.90
51	C604	Database Management Systems	1.15	1.15	0.00	0.50	0.86	0.87	-	-	0.87	-	-	1.15	1.36	1.40
52	C604P	Database Management Systems(Practical)	3.00	3.00	0.00	2.00	3.00	-	-	2.00	3.00	-	-	3.00	2.00	3.00
53	C605	Internet Programming	2.84	2.84	0.00	1.89	1.89	-	-	0.94	1.89	-	1.89	1.90	2.84	1.90
54	C606P	Internet Programming (Practical)	3.00	3.00	0.00	2.00	2.00	-	-	2.00	3.00	-	-	3.00	2.00	3.00
55	C607	Functional English	-	-	0.00	-	-	-	-	1.04	1.04	1.55	-	1.55	-	0.52
56	C608P	Mini Project and Industrial Visit(Practical)	3.00	3.00	0.00	3.00	3.00	2.00	1.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
57	C701	Data Warehousing and Mining	1.31	1.31	1.02	0.88	0.70	-	-	-	0.89	-	0.88	1.31	1.24	0.76
58	C702P	Data Warehousing and Mining(Practical)	3.00	2.75	0.00	2.50	3.00	-	-	2.00	3.00	-	-	3.00	2.50	3.00
59	C703	Computer System Security	1.34	1.34	1.11	1.11	0.90	0.75	-	0.80	0.92	0.46	0.46	0.75	2.93	2.93

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Sr. No.	COURSE CODE	Subjects	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
60	C704P	Computer System Security(Practical)	3.00	3.00	3.00	2.00	3.00	1.00	-	3.00	3.00	-	-	3.00	2.00	3.00
61	C705	Artificial Intelligence	3.00	2.90	2.40	1.20	1.40	1.70	1.10	1.00	1.00	1.00	3.00	3.00	1.30	0.80
62	C706	Mobile Computing - Elective -I	1.00	1.00	1.00	1.00	1.60	1.00	1.00	1.00	1.00	1.00	3.00	3.00	1.75	2.86
63	C707	Cluster and Grid Computing - Elective -II	1.10	1.00	1.10	1.50	2.10	1.00	1.00	1.00	1.00	1.00	3.00	3.00	1.26	1.89
64	C707P	Seminar on Project	2.84	2.84	0.00	1.88	1.89	-	-	-	1.89	2.45	-	1.89	3.00	3.00
65	C801	Distributed Systems	2.32	2.32	0.00	1.55	1.55	-	-	0.78	1.56	-	1.56	1.55	2.32	1.55
66	C801P	Distributed Systems (Practical)	3.00	3.00	0.00	2.00	3.00	-	-	2.00	3.00	-	-	3.00	2.00	3.00
67	C802	Gaming Architecture and Programming	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	3.00	3.00	2.32	1.55
68	C802P	Gaming Architecture and Programming (Practical)	3.00	3.00	0.00	2.00	3.00	-	-	2.00	3.00	-	-	3.00	2.00	3.00
69	C803	Machine Learning Elective-III	1.62	1.62	1.27	1.11	0.87	0.54	-	-	1.09	-	1.10	1.08	2.87	1.91
70	C804P	Cloud Computing Elective-IV	2.59	2.59	0.00	1.73	1.75	1.29	-	1.75	1.75	-	2.18	2.45	1.75	2.62
71	C805	Project	3.00	3.00	0.00	3.00	3.00	2.00	1.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Total			146	131	12	68	78	28	19	61	95	35	31	126	117	109
Count			68	65	66	46	48	23	16	41	53	23	16	71	62	57
Average Direct Attainment			2.14	2.01	0.18	1.48	1.62	1.20	1.20	1.48	1.79	1.50	1.92	1.78	1.89	1.92

Project																
C606P	3.00	3.00	0.00	3.00	3.00	2.00	1.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
C706P	2.84	2.84	0.00	1.88	1.89	-	-	-	1.89	2.45	-	1.89	3.00	3.00	3.00	3.00
C805P	3.00	3.00	0.00	3.00	3.00	2.00	1.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Total	8.84	8.84	0.00	7.88	7.89	4.00	2.00	6.00	7.89	8.45	6.00	7.89	9.00	9.00	9.00	9.00
Count	3	3	3	3	3	2	2	2	3	3	2	3	3	3	3	3
Average Direct Attainment	2.95	2.95	0.00	2.63	2.63	2.00	1.00	3.00	2.63	2.82	3.00	2.63	3.00	3.00	3.00	3.00

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Course	137	122	12	60	70	24	17	55	87	26	25	118	108	100
Total	65	62	63	43	45	21	14	39	50	20	14	68	59	54
Count	2.11	1.97	0.19	1.40	1.55	1.13	1.23	1.40	1.74	1.30	1.77	1.74	1.83	1.86
Average Direct Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2

	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	P O 9	P O 10	P O 11	P O 12	PS O1	PS O2
Course Attainment	2.14	2.01	0.18	1.48	1.62	1.20	1.20	1.48	1.79	1.50	1.92	1.78	1.89	1.92
Project/ Seminar/ Industrial Visits Attainment	2.95	2.95	0.00	2.63	2.63	2.00	1.00	3.00	2.63	2.82	3.00	2.63	3.00	3.00
Co & Extra Curricular activity Attainment	2.42	2.34	2.28	2.12	2.30	3.00	3.00	3.00	3.00	3.00	1.00	3.00	3.00	2.00
Parents feedback	2.34	2.58	2.58	2.58	2.34	2.52	2.31	2.55	2.55	2.52	2.52	2.52	2.29	2.55
Exit survey	2.49	2.30	2.40	2.29	2.50	2.45	2.47	2.47	2.43	2.36	2.41	2.45	2.45	2.45
Alumini Survey	2.17	2.17	2.17	2.17	2.17	2.17	2.76	2.76	2.17	2.17	2.17	2.17	2.17	2.17

	P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	P O 8	P O 9	P O 10	P O 11	P O 12	PS O1	PS O2
PO1 to PO5 60% & PO6 to PSO2 40% CO Attainment	1.29	1.21	0.11	0.89	0.97	0.48	0.48	0.59	0.72	0.60	0.77	0.71	0.76	0.77
PO1 to PSO2 20% Project/Seminar	0.59	0.59	0.00	0.53	0.53	0.40	0.20	0.60	0.53	0.56	0.60	0.53	0.60	0.60
PO6 to PSO2 20 % of Co & Extra Curricular Activity						0.60	0.60	0.60	0.60	0.60	0.20	0.60	0.60	0.40
PO1 to PSO2 5% Parent Survey	0.12	0.13	0.13	0.13	0.12	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.11	0.13
PO1 to PSO2 5% Exit Survey	0.12	0.12	0.12	0.11	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
PO1 to PSO2 10% Alumni Survey	0.22	0.22	0.22	0.22	0.22	0.22	0.28	0.28	0.22	0.22	0.22	0.22	0.22	0.22
Total Attainment	2.33	2.26	0.57	1.87	1.96	1.95	1.80	2.32	2.31	2.22	2.03	2.30	2.41	2.23

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	P O1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2
Attainment	2.33	2.26	0.57	1.87	1.96	1.95	1.80	2.32	2.31	2.22	2.03	2.30	2.41	2.23
Target Level	2.4	2.4	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.8	2.2	2.1	1.9

