

	Dr D Y Patil Pratishthan's		
	Dr. D.Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune		
Academic Year: 2021-22	Department : Computer Engineering		
Term – I & II	Average Mapping of CO to PO-PSO		

Sem	Course Code	Course Name	Course No	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
FE Sem - I	107001	Engineering Mathematics-I	C111	2.00	1.00	-	-	-	-	-	-	-	-	-	1.00	-	-	-
	107002	Engineering Physics	C112	2.33	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-
	102006	Fundamentals of Programming Languages I	C113	2.00	1.75	1.33	-	-	-	-	-	-	-	-	1.00	1.00	1.25	-
	103004	Basic Electrical Engineering	C114	1.83	1.80	-	-	-	-	-	-	-	-	-	1.00	-	-	-
	101005	Basic Civil and Environmental Engineering	C115	1.67	1.50	-	-	1.00	1.00	-	-	-	1.00	-	1.25	-	-	-
	110003	Engineering Graphics I	C116	2.33	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-
	111007	Workshop Practice	C117	2.50	-	-	-	-	-	-	3.00	2.00	-	-	2.00	-	-	-
FE Sem - II	107008	Engineering Mathematics-II	C121	1.83	1.33	-	-	-	-	-	-	-	-	-	1.00	-	-	-
	107009	Engineering Chemistry	C122	1.67	1.83	-	-	-	-	1.00	-	-	-	-	-	-	-	-
	102013	Fundamentals of Programming Languages II	C123	2.00	1.50	1.00	-	-	-	-	-	-	-	-	1.00	1.00	1.00	1.00
	101011	Engineering Mechanics	C124	2.33	2.17	-	-	-	-	-	-	-	-	-	-	-	-	-
	104012	Basic Electronics Engineering	C125	1.67	1.60	-	-	-	-	-	-	-	-	-	-	-	-	-
	110010	Basic Mechanical Engineering	C126	2.50	2.00	-	-	-	-	-	-	-	-	-	-	-	-	-
	102014	Engineering Graphics II	C127	2.00	1.00	-	-	1.00	-	-	-	-	-	-	1.00	-	-	-
SE Sem-III	210241	Discrete Mathematics	C211	2.50	2.33	2.00	1.00	-	-	-	-	-	-	-	1.00	1.83	1.33	1.00
	210242	Digital Electronics & Logic Design	C212	2.00	1.67	1.00	1.00	-	-	-	-	-	-	-	-	1.00	-	-
	210243	Data Structures & Algorithms	C213	1.17	1.40	1.20	1.25	1.00	1.00	-	-	-	-	-	1.00	1.60	1.20	1.00
	210244	Computer Organization & Architecture	C214	2.00	2.00	2.17	1.83	-	-	-	-	-	-	-	-	1.83	1.00	-
	210245	Object Oriented Programming	C215	1.75	1.20	1.40	1.20	-	-	-	-	-	-	-	1.00	1.00	1.00	1.00
	210246	Digital Electronics Lab	C216	2.00	1.67	1.00	-	-	-	-	-	-	-	-	-	1.00	-	-
	210247	Data Structures Lab	C217	2.50	2.50	2.50	2.50	2.00	-	-	-	-	-	-	2.00	1.75	1.75	2.00
	210248	Object Oriented Programming Lab	C218	1.50	1.25	1.75	0.75	-	-	-	-	-	-	-	-	1.00	1.00	1.00
	210249	Soft Skills	C219	-	-	-	-	-	-	-	-	3.00	2.00	1.00	1.00	-	-	2.00
SE Sem-IV	217003	Engineering Mathematics III	C221	2.50	1.67	-	1.00	-	-	-	-	-	-	-	1.00	1.00	-	1.00
	210251	Computer Graphics	C222	2.00	1.25	1.33	1.00	-	-	-	-	-	-	-	1.50	1.00	1.00	1.00
	210252	Advanced Data Structures	C223	2.67	3.00	2.33	2.00	2.60	-	1.00	-	-	-	-	1.00	2.00	2.00	1.75
	210253	Microprocessor	C224	1.67	1.60	1.00	1.00	-	-	-	-	-	-	-	-	1.00	-	-
	210254	Principles of Programming Languages	C225	1.50	1.67	1.83	1.33	1.00	-	-	-	-	-	-	1.00	1.50	3.00	1.00
	210255	Computer Graphics Lab	C226	2.00	1.00	1.00	1.00	1.00	-	-	-	-	-	-	1.00	1.00	1.00	1.00
	210256	Advanced Data Structures Lab	C227	2.75	3.00	2.50	2.00	2.25	-	-	-	2.50	2.00	-	2.00	2.00	2.25	2.00
	210257	Microprocessor Lab	C228	2.50	1.00	1.00	1.00	1.00	-	-	-	-	-	-	-	1.00	-	-
TE Sem-V	310241	Theory of Computation	C311	2.67	3.00	2.83	1.00	1.00	-	-	-	-	-	-	1.00	1.83	2.17	1.00
	310242	Database Management Systems	C312	2.50	2.33	2.33	2.50	1.60	-	1.00	-	-	-	-	1.40	2.33	2.33	2.00
	310243	Software Engineering & Project Management	C313	2.00	2.17	2.00	1.83	1.17	0.50	1.00	-	1.00	1.00	-	1.00	1.00	1.33	1.00
	310244	Information Systems & Engineering Economics	C314	1.67	1.00	1.00	1.20	1.00	1.00	1.00	1.00	-	-	-	1.00	-	-	1.00
	310245	Computer Networks	C315	3.00	2.50	2.50	1.17	-	1.00	-	-	-	-	-	1.00	3.00	2.00	1.00
	310246	Skills Development Lab	C316	2.00	2.75	3.00	1.00	1.00	-	-	-	2.50	2.00	-	1.00	2.00	2.50	1.00
	310247	DBMS Lab	C317	2.50	2.50	2.50	1.50	1.25	-	-	-	-	-	-	1.00	2.00	2.00	1.50
	310248	CN Lab	C318	3.00	2.00	1.50	1.25	1.50	-	-	-	-	-	-	1.00	3.00	2.00	1.00
TE Sem-VI	310250	Design & Analysis of Algorithms	C321	2.50	2.00	2.00	1.40	1.00	-	-	-	-	-	-	1.00	2.33	2.17	1.20
	310251	Systems Programming & Operating System	C322	2.50	2.33	2.50	1.83	1.00	-	-	-	-	-	-	1.00	2.00	2.00	1.17
	310252	Embedded Systems & Internet of Things	C323	1.00	1.50	1.00	1.00	1.00	1.00	-	-	-	2.00	-	1.00	1.17	1.00	1.00
	310253	Software Modeling and Design	C324	2.40	2.50	2.75	2.00	1.67	1.00	3.00	-	1.00	1.00	-	1.00	2.50	2.33	2.00
	310254	Web Technology	C325	2.50	-	2.33	1.80	3.00	-	-	-	-	-	-	1.33	2.67	2.83	1.67
	310255	Seminar & Technical Communication	C326	2.75	3.00	3.00	1.00	1.50	-	1.00	1.00	1.00	2.50	-	1.00	2.00	2.50	2.00
	310256	Web Technology Lab	C327	2.00	-	2.00	2.25	2.25	-	-	-	-	-	-	1.00	3.00	2.00	2.00
	310257	SP & OS Lab	C328	2.50	2.75	2.25	1.67	1.50	-	-	-	-	-	-	1.00	2.00	2.50	2.00
	310258	ES & IoT Lab	C329	1.00	1.75	1.75	-	1.00	1.00	1.00	-	-	-	-	1.00	2.00	1.75	1.00
BE Sem-VII	410241	High Performance Computing	C411	1.83	1.83	2.00	-	1.00	-	-	-	-	-	-	1.00	1.83	1.75	1.60
	410242	Artificial Intelligence & Robotics	C412	2.60	2.83	2.60	2.20	2.67	-	-	-	-	-	-	2.00	2.50	2.17	2.20
	410243	Data Analytics	C413	2.17	2.17	2.00	2.17	2.00	-	-	-	-	2.00	-	1.83	1.67	2.00	2.17
	410244 -(D)	Elective I (Data Mining and Warehousing)	C414D	2.33	2.17	2.00	1.00	1.00	-	-	-	-	-	-	1.00	1.00	1.00	1.00
	410245 -(B)	Elective II (Software Testing and Quality Assurance)	C415B	2.83	2.83	2.83	1.67	1.50	-	1.00	3.00	-	-	-	1.00	2.50	2.00	1.67
	410246	Laboratory Practice I	C416	1.75	1.00	1.33	1.00	1.00	-	-	-	-	-	-	-	2.75	1.75	2.00
	410247	Laboratory Practice II	C417	2.25	2.50	2.25	1.50	2.50	1.00	1.00	-	2.00	2.00	1.00	2.00	2.25	2.50	2.00
	410248	Project Work Stage I	C418	3.00	2.25	2.75	2.50	2.50	2.00	2.50	2.50	2.50	2.75	1.00	1.50	1.50	2.00	1.25
BE Sem-VIII	410250	Machine Learning	C421	2.50	2.17	2.00	2.17	2.00	-	-	-	-	-	-	1.67	1.67	2.00	2.50
	410251	Information and Cyber Security	C422	2.50	2.33	1.50	2.00	2.00	-	-	1.00	-	-	-	1.00	1.25	2.50	2.67
	410252 -(C)	Elective III (Embedded and Real Time Operating System)	C423C	2.33	2.00	1.20	1.67	-	-	-	-	-	-	-	-	1.50	1.33	1.25
	410253 -(C)	Elective IV (Cloud Computing)	C424C	2.00	3.00	3.00	3.00	2.00	1.00	1.00	1.00	-	-	-	3.00	2.00	3.00	1.00
	410254	Laboratory Practice III	C425	2.75	2.75	3.00	2.00	1.75	1.67	1.00	1.50	2.00	2.00	1.50	1.00	2.75	2.75	1.00
	410255	Laboratory Practice IV	C426	2.00	2.25	2.25	1.00	3.00	-	-	1.00	1.50	1.00	-	1.00	1.00	1.00	1.00
	410256	Project Work Stage II	C427	3.00	2.25	2.75	2.50	2.50	2.00	2.50	2.50	2.50	2.75	1.00	1.75	2.00	2.25	2.25
AVERAGE MAPPING INCLUDING FE				2.19	1.97	1.98	1.57	1.61	1.17	1.36	1.75	1.96	1.86	1.10	1.23	1.77	1.87	1.46

 DR. D. Y. PATIL INSTITUTE OF ENGINEERING, MANAGEMENT AND RESEARCH	Dr D Y Patil Pratishthan's										
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Academic Year: 2021-22	Department : Computer Engineering										
Term – I & II	PO-PSO Attainment Values										

Sem	Course Code	Course Name	Course No	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
FE Sem-I	107001	Engineering Mathematics-I	C111	1.93	0.97	-	-	-	-	-	-	-	-	-	0.97	-	-	-
	107002	Engineering Physics	C112	2.26	0.97	-	-	-	-	-	-	-	-	-	-	-	-	-
	102006	Fundamentals of Programming Languages I	C113	2	1.75	1.33	-	-	-	-	-	-	-	-	1	1	1.25	-
	103004	Basic Electrical Engineering	C114	1.77	1.74	-	-	-	-	-	-	-	-	-	0.97	-	-	-
	101005	Basic Civil and Environmental Engineering	C115	0.89	0.8	-	-	0.53	0.53	-	-	-	0.53	-	0.67	-	-	-
	110003	Engineering Graphics I	C116	1.71	0.73	-	-	-	-	-	-	-	-	-	-	-	-	-
	111007	Workshop Practice	C117	0.92	-	-	-	-	-	-	1.1	0.73	-	-	0.73	-	-	-
FE Sem-II	107008	Engineering Mathematics-II	C121	1.83	1.33	-	-	-	-	-	-	-	-	-	1	-	-	-
	107009	Engineering Chemistry	C122	1.5	1.65	-	-	-	-	0.9	-	-	-	-	-	-	-	-
	102013	Fundamentals of Programming Languages II	C123	2	1.5	1	-	-	-	-	-	-	-	-	1	1	1	1
	101011	Engineering Mechanics	C124	2.33	2.17	-	-	-	-	-	-	-	-	-	-	-	-	-
	104012	Basic Electronics Engineering	C125	1.56	1.49	-	-	-	-	-	-	-	-	-	-	-	-	-
	110010	Basic Mechanical Engineering	C126	2.42	1.93	-	-	-	-	-	-	-	-	-	-	-	-	-
	102014	Engineering Graphics II	C127	0.73	0.37	-	-	0.37	-	-	-	-	-	-	0.37	-	-	-
SE Sem-III	210241	Discrete Mathematics	C211	2.42	2.26	1.93	0.97	-	-	-	-	-	-	-	0.97	1.77	1.29	0.97
	210242	Digital Electronics & Logic Design	C212	1.93	1.61	0.97	0.97	-	-	-	-	-	-	-	-	0.97	-	-
	210243	Data Structures & Algorithms	C213	1.09	1.31	1.12	1.17	0.93	0.93	-	-	-	-	-	0.93	1.49	1.12	0.93
	210244	Computer Organization & Architecture	C214	2.00	2.00	2.17	1.83	-	-	-	-	-	-	-	-	1.83	1.00	-
	210245	Object Oriented Programming	C215	1.69	1.16	1.35	1.16	-	-	-	-	-	-	-	0.97	0.97	0.97	0.97
	210246	Digital Electronics Lab	C216	2.00	1.67	1.00	-	-	-	-	-	-	-	-	-	1.00	-	-
	210247	Data Structures Lab	C217	2.50	2.50	2.50	2.50	2.00	-	-	-	-	-	-	2.00	1.75	1.75	2.00
	210248	Object Oriented Programming Lab	C218	1.20	1.00	1.40	0.60	-	-	-	-	-	-	-	-	0.80	0.80	0.80
SE Sem-IV	210249	Soft Skills	C219	-	-	-	-	-	-	-	-	1.10	0.73	0.37	0.37	-	-	0.73
	217003	Engineering Mathematics III	C221	2.50	1.67	-	1.00	-	-	-	-	-	-	-	1.00	1.00	-	1.00
	210251	Computer Graphics	C222	2.00	1.25	1.33	1.00	-	-	-	-	-	-	-	1.50	1.00	1.00	1.00
	210252	Advanced Data Structures	C223	2.67	3.00	2.33	2.00	2.60	-	1.00	-	-	-	-	1.00	2.00	2.00	1.75
	210253	Microprocessor	C224	1.67	1.60	1.00	1.00	-	-	-	-	-	-	-	-	1.00	-	-
	210254	Principles of Programming Languages	C225	1.45	1.61	1.77	1.29	0.97	-	-	-	-	-	-	0.97	1.45	2.90	0.97
	210255	Computer Graphics Lab	C226	2.00	1.00	1.00	1.00	1.00	-	-	-	-	-	-	1.00	1.00	1.00	1.00
	210256	Advanced Data Structures Lab	C227	2.20	2.40	2.00	1.60	1.80	-	-	-	2.00	1.60	-	1.60	1.60	1.80	1.60
TE Sem-V	210257	Microprocessor Lab	C228	2.50	1.00	1.00	1.00	1.00	-	-	-	-	-	-	-	1.00	-	-
	310241	Theory of Computation	C311	2.67	3.00	2.83	1.00	1.00	-	-	-	-	-	-	1.00	1.83	2.17	1.00
	310242	Database Management Systems	C312	2.50	2.33	2.33	2.50	1.60	-	1.00	-	-	-	-	1.40	2.33	2.33	2.00
	310243	Software Engineering & Project Management	C313	2.00	2.17	2.00	1.83	1.17	0.50	1.00	-	1.00	1.00	-	1.00	1.00	1.33	1.00
	310244	Information Systems & Engineering Economics	C314	1.67	1.00	1.00	1.20	1.00	1.00	1.00	1.00	-	-	-	1.00	-	-	1.00
	310245	Computer Networks	C315	3.00	2.50	2.50	1.17	-	1.00	-	-	-	-	-	1.00	3.00	2.00	1.00
	310246	Skills Development Lab	C316	2.00	2.75	3.00	1.00	1.00	-	-	-	2.50	2.00	-	1.00	2.00	2.50	1.00
	310247	DBMS Lab	C317	2.50	2.50	2.50	1.50	1.25	-	-	-	-	-	-	1.00	2.00	2.00	1.50
TE Sem-VI	310248	CN Lab	C318	3.00	2.00	1.50	1.25	1.50	-	-	-	-	-	-	1.00	3.00	2.00	1.00
	310250	Design & Analysis of Algorithms	C321	2.50	2.00	2.00	1.40	1.00	-	-	-	-	-	-	1.00	2.33	2.17	1.20
	310251	Systems Programming & Operating System	C322	2.50	2.33	2.50	1.83	1.00	-	-	-	-	-	-	1.00	2.00	2.00	1.17
	310252	Embedded Systems & Internet of Things	C323	1.00	1.50	1.00	1.00	1.00	1.00	-	-	-	2.00	-	1.00	1.17	1.00	1.00
	310253	Software Modeling and Design	C324	2.40	2.50	2.75	2.00	1.67	1.00	3.00	-	1.00	1.00	-	1.00	2.50	2.33	2.00
	310254	Web Technology	C325	2.50	-	2.33	1.80	3.00	-	-	-	-	-	-	1.33	2.67	2.83	1.67
	310255	Seminar & Technical Communication	C326	0.99	1.08	1.08	0.36	0.54	-	0.36	0.36	0.36	0.90	-	0.36	0.72	0.90	0.72
	310256	Web Technology Lab	C327	2.00	-	2.00	2.25	2.25	-	-	-	-	-	-	1.00	3.00	2.00	2.00
BE Sem-VII	310257	SP & OS Lab	C328	2.50	2.75	2.25	1.67	1.50	-	-	-	-	-	-	1.00	2.00	2.50	2.00
	310258	ES & IoT Lab	C329	1.00	1.75	1.75	-	1.00	1.00	1.00	-	-	-	-	1.00	2.00	1.75	1.00
	410241	High Performance Computing	C411	1.83	1.83	2.00	-	1.00	-	-	-	-	-	-	1.00	1.83	1.75	1.60
	410242	Artificial Intelligence & Robotics	C412	2.60	2.83	2.60	2.20	2.67	-	-	-	-	-	-	2.00	2.50	2.17	2.20
	410243	Data Analytics	C413	2.17	2.17	2.00	2.17	2.00	-	-	-	-	2.00	-	1.83	1.67	2.00	2.17
	410244 -(D)	Elective I (Data Mining and Warehousing)	C414D	2.33	2.17	2.00	1.00	1.00	-	-	-	-	-	-	1.00	1.00	1.00	1.00
	410245 -(B)	Elective II (Software Testing and Quality Assurance)	C415B	2.83	2.83	2.83	1.67	1.50	-	1.00	3.00	-	-	-	1.00	2.50	2.00	1.67
	410246	Laboratory Practice I	C416	1.75	1.00	1.33	1.00	1.00	-	-	-	-	-	-	-	2.75	1.75	2.00
BE Sem-VIII	410247	Laboratory Practice II	C417	2.25	2.50	2.25	1.50	2.50	1.00	1.00	-	2.00	2.00	1.00	2.00	2.25	2.50	2.00
	410248	Project Work Stage I	C418	2.52	1.89	2.31	2.10	2.10	1.68	2.10	2.10	2.10	2.31	0.84	1.26	1.26	1.68	1.05
	410250	Machine Learning	C421	1.42	1.23	1.13	1.23	1.13	-	-	-	-	-	-	0.94	0.94	1.13	1.42
	410251	Information and Cyber Security	C422	2.50	2.33	1.50	2.00	2.00	-	-	1.00	-	-	-	1.00	1.25	2.50	2.67
	410252 -(C)	Elective III (Embedded and Real Time Operating System)	C423C	1.32	1.13	0.68	0.94	-	-	-	-	-	-	-	-	0.85	0.76	0.71
	410253 -(C)	Elective IV (Cloud Computing)	C424C	2.00	3.00	3.00	3.00	2.00	1.00	1.00	1.00	-	-	-	3.00	2.00	3.00	1.00
	410254	Laboratory Practice III	C425	2.75	2.75	3.00	2.00	1.75	1.67	1.00	1.50	2.00	2.00	1.50	1.00	2.75	2.75	1.00
	410255	Laboratory Practice IV	C426	1.87	2.10	2.10	0.93	2.80	-	-	0.93	1.40	0.93	-	0.93	0.93	0.93	0.93
	410256	Project Work Stage II	C427	3.00	2.25	2.75	2.50	2.50	2.00	2.50	2.50	2.50	2.75	1.00	1.75	2.00	2.25	2.25
AVERAGE ATTAINMENT VALUES INCLUDING FE				2.02	1.84	1.88	1.49	1.50	1.10	1.28	1.45	1.56	1.55	0.94	1.12	1.69	1.77	1.35

	Dr D Y Patil Pratishthan's
	Dr. D.Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune
Academic Year: 2021-22	Department : Mechanical Engineering
Term - I & II	PO-PSO Attainment Values

CO-PO Mapping Matrix (2015 Course)

[illegible]

	Dr D Y Patil Pratishthan's
	Dr. D.Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune
Academic Year: 2021-22	Department : Mechanical Engineering
Term - I & II	PO-PSO Attainment Values

14	Engineering Graphics-II	C127	2	1	-	-	1	-	-	-	-	-	-	1
15	Engg. Maths-III	C211	2	1	-	-	-	-	-	-	-	-	-	-
16	Manufacturing Process-I	C212	2.50	1.00	-	-	-	-	2.00	2.00	2.00	2.00	-	-
17	Computer Aided Machine Drawing	C213	2.75	-	-	-	3	-	-	1.67	1	-	-	1.5
18	Thermodynamics	C214	2.67	2.00	-	1.60	2.00	-	-	-	-	-	-	-
19	Material Science	C215	2.83	2	-	-	-	-	-	-	3	-	-	2
20	Strength of Materials	C216	2.83	3	2.83	1.6	1	1	-	-	-	-	-	-
21	Fluid Mechanics	C221	3.000	2.170	2.0	1.5	-	-	-	-	1.0	-	-	-
22	Soft Skills	C222	-	-	-	-	-	2.33	3	3	3	3	-	3
23	Theory of Machines – I	C223	2.8	2.5	2.0	-	-	-	-	-	-	-	-	-
24	Engineering Metallurgy	C224	3	3	-	-	-	-	-	3	-	-	-	2
25	Applied Thermodynamics	C225	2.67	2.00	-	1.60	2.00	-	-	-	-	-	-	-
26	Electrical and Electronics Engineering	C226	1.50	1.17	-	-	1.00	-	-	-	-	-	-	-
27	Machine Shop – I	C227	2.25	1	-	-	-	-	-	2	1.67	1	-	-
28	Design of Machine Elements-I	C311	3.0	2.0	3.0	-	1.8	1.0	1.0	1.0	2.5	1.0	1.0	2.0
29	Heat Transfer*	C312	2.83	2.33	1.75	2.00	-	-	-	1.00	-	-	2.00	2.00
30	Theory of Machines-II	C313	2.8	2.5	2.0	-	-	-	-	-	-	-	-	-
31	Turbo Machines	C314	3	2.5	2.67	1	-	1	-	-	-	-	-	1
32	Metrology and Quality Control	C315	2.67	2.2	2	-	2.5	-	-	1.67	2.33	1.75	-	1.83
33	Skill Development	C316	2.75	1.67	2	2	1.5	2.33	2	-	-	-	-	-

	Dr D Y Patil Pratishthan's													
	Dr. D.Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune													
Academic Year: 2021-22	Department : Mechanical Engineering													
Term - I & II	PO-PSO Attainment Values													

34	Numerical Methods and Optimization	C321	2.4	1.67	1.4	2.25	2.83	-	-	-	2	-	-	2
35	Design of Machine EleCnts-II	C322	3.0	2.0	3.0	-	2.0	1.0	1.0	1.0	2.0	2.0	-	2.0
36	Refrigeration and Air Conditioning	C323	3	1.75	1.67	2	2	2	3	1	2	-	-	2.17
37	Mechatronics	C324	2.5	2.33	-	-	2.75	-	-	-	3	3	-	-
38	Manufacturing Process-II	C325	1.67	2	2	-	-	-	1.67	2	-	-	-	1.5
39	Machine Shop-II	C326	2.25	1.00	2.00	-	1.00	-	1.00	1.00	-	1.00	-	-
40	Seminar	C327	2.00	2.50	-	-	3.00	3.00	1.00	3.00	3.00	3.00	-	3.00
41	Hydraulics and Pneumatics	C411	2	2.33	2.17	2	3	-	-	-	2	-	-	2.67
42	CAD CAM Automation	C412	3.0	2.8	2.0	2.0	2.5	-	-	-	2.0	-	-	-
43	Dynamics of Machinery	C413	3	3	3	3.0	3	3	3	3	-	-	-	3.0
44	Finite Element Analysis	C414	3.0	3.0	3.0	-	-	-	-	-	-	-	-	-
45	Heating Ventilation and Air Conditioning	C415	2.50	1.67	2.00	2.00	2.00	1.00	1.00	1.00	-	-	-	1
46	Automobile Engg	C416	2	3	-	-	-	2	2	-	-	-	-	-
49	Project-I	C417	3	3	2	2	2	1.75	1.25	1.75	2	1.75	1.75	1.5
50	Energy Engineering	C421	3	2.75	-	2	-	2.4	2.5	2	1	-	2	1.33
51	Mechanical System Design	C422	3.00	3.00	2.50	-	1.00	2.00	2.00	1.00	-	-	-	-
52	Industrial Engineering	C423	2.83	1.33	1.8	2.67	1.83	2.5	-	1	1	1.17	2.33	1.5
53	Product Design and Development	C424	2.5	2.5	-	2	-	-	-	3	2.25	2.33	-	1.5
54	PROJECT-II	C425	3	2.25	2	2	2	2.5	2.5	2.5	2	2	2	1.75
AVG mapping			2.48	1.99	2.08	1.96	1.95	1.87	1.82	1.89	2.04	1.86	2.01	1.68

	Dr D Y Patil Pratishthan's
	Dr. D.Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune
Academic Year: 2021-22	Department : Mechanical Engineering
Term - I & II	PO-PSO Attainment Values

CO-PSO Mapping Matrix (2015 Course)

Sr. No.	Course Code	PSO 1	PSO 2
1	C116	-	-
2	C126	-	-
3	C127	-	-
1	C211	-	-
2	C212	-	-
3	C213	1.5	-
4	C214	1.00	1.00
5	C215	-	-
6	C216	3	2
7	C221	1.0	-
8	C222	1	3
9	C223	2.0	1.5
10	C224	2	-
11	C225	1.00	1.00
12	C226	-	-
13	C227	2	-
14	C311	1.0	1.0
15	C312	1.50	-
16	C313	2.0	1.5
17	C314	1.6	-

	Dr D Y Patil Pratishthan's
	Dr. D.Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune
Academic Year: 2021-22	Department : Mechanical Engineering
Term - I & II	PO-PSO Attainment Values

18	C315	1.67	1
19	C316	2	1
20	C321	1	1
21	C322	1.0	1.0
22	C323	2	-
23	C324	2	-
24	C325	1.83	1.5
25	C326	2	-
26	C327	1.67	3
27	C411	2	-
28	C412	2.0	-
29	C413	2.75	3.0
30	C414	3.0	3.0
31	C415	1.5	-
32	C416	-	-
35	C417	1.25	1
36	C421	-	-
37	C422	2.830	1.670
38	C423	1.33	-
39	C424	1.83	1
40	C425	1.25	1
AVG mapping		1.73	1.59

	Dr D Y Patil Pratishthan's
	Dr. D.Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune
Academic Year: 2021-22	Department : Mechanical Engineering
Term - I & II	PO-PSO Attainment Values

PO Attainment of Batch 2021-22

Sr. No.	SAR Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	C111	1.53	0.77	-	-	-	-	-	-	-	-	-	0.77
2	C112	1.24	0.53	-	-	-	-	-	-	-	-	-	-
3	C113	2	1.75	1.33	-	-	-	-	-	-	-	-	1
4	C114	1.28	1.26	-	-	-	-	-	-	-	-	-	0.70
5	C115	1.28	1.15	-	-	0.77	0.77	-	-	-	0.77	-	0.96
6	C116	1.24	0.53	-	-	-	-	-	-	-	-	-	-
7	C117	0.92	-	-	-	-	-	-	1.10	0.73	-	-	0.73
8	C121	1.41	1.02	-	-	-	-	-	-	-	-	-	0.77
9	C122	1.22	1.34	-	-	-	-	0.73	-	-	-	-	-
10	C123	2	1.5	1									1
11	C124	2.33	2.17	-	-	-	-	-	-	-	-	-	-
12	C125	1.11	1.07	-	-	-	-	-	-	-	-	-	-
13	C126	1.83	1.47	-	-	-	-	-	-	-	-	-	-
14	C127	0.73	0.37	-	-	0.37	-	-	-	-	-	-	0.37
15	C211	1.96	0.98	-	-	-	-	-	-	-	-	-	-
16	C212	2.50	1.00	-	-	-	-	2.00	2.00	2.00	2.00	-	-
17	C213	2.75	-	-	-	3.00	-	-	1.67	1.00	-	-	1.50
18	C214	2.62	1.96	-	1.57	1.96	-	-	-	-	-	-	-
19	C215	2.83	2.00	-	-	-	-	-	-	3.00	-	-	2.00
20	C216	2.83	3.00	2.83	1.60	1.00	1.00	-	-	-	-	-	-

	Dr D Y Patil Pratishthan's
	Dr. D.Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune
Academic Year: 2021-22	Department : Mechanical Engineering
Term - I & II	PO-PSO Attainment Values

21	C221	2.90	2.09	1.93	1.45	-	-	-	-	0.97	-	-	-
22	C222	-	-	-	-	-	0.84	1.08	1.08	1.08	1.08	-	1.08
23	C223	2.74	2.42	1.93	-	-	-	-	-	-	-	-	-
24	C224	3.00	3.00	-	-	-	-	-	3.00	-	-	-	2.00
25	C225	2.67	2.00	-	1.60	2.00	-	-	-	-	-	-	-
26	C226	1.45	1.13	-	-	0.97							
27	C227	0.83	0.37	-	-	-	-	-	0.73	0.61	0.37	-	-
28	C311	2.76	1.84	2.76	-	1.61	0.92	0.92	0.92	2.30	0.92	0.92	1.84
29	C312	2.83	2.33	1.75	2.00	-	-	-	1.00	-	-	2.00	2.00
30	C313	2.83	2.50	2.00	-	-	-	-	-	-	-	-	-
31	C314	2.97	2.48	2.64	0.99	-	0.99	-	-	-	-	-	0.99
32	C315	2.74	1.93	1.93	-	2.42	-	-	2.26	2.26	1.69	-	1.77
33	C316	2.75	1.67	2	2	1.5	2.33	2	-	-	-	-	-
34	C321	2.32	1.61	1.35	2.18	2.74	-	-	-	1.93	-	-	1.93
35	C322	3	2.000	3	-	2.000	1.00	1.00	1.00	2.00	2.00	-	2.00
36	C323	3	1.75	1.67	2	2	2	3	1	2	-	-	2.17
37	C324	2.50	2.33	-	-	2.75	-	-	-	3	3	-	-
38	C325	1.67	2.00	2.00	-	-	-	1.67	2.00	-	-	-	1.50
39	C326	0.83	0.37	0.73	-	0.37	-	0.37	0.37	-	0.37	-	-
40	C327	2.00	2.50	-	-	3.00	3.00	1.00	3.00	3.00	3.00	-	3.00
41	C411	1.93	2.26	2.09	1.93	2.90	-	-	-	1.93	-	-	2.74
42	C412	2.9	2.66	1.93	1.93	2.42	-	-	-	1.93	-	-	-
43	C413	3	3	3	3	3	3	3	3	-	-	-	3

	Dr D Y Patil Pratishthan's												
	Dr. D.Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune												
Academic Year: 2021-22	Department : Mechanical Engineering												
Term - I & II	PO-PSO Attainment Values												

44	C414	2.9	2.9	2.9	-	-	-	-	-	-	-	-	-
45	C415	2.42	1.61	1.93	1.93	1.93	0.97	0.97	0.97	-	-	-	0.97
46	C416	1.80	2.70	-	-	-	1.80	1.80	-	-	-	-	-
47	C419	3	3	2	2	2	1.75	1.25	1.75	2	1.75	1.75	1.5
48	C421	2.9	2.66	-	1.93	-	2.32	2.42	1.93	0.97	-	1.93	1.29
49	C422	1.4	1.4	1.17	-	0.47	0.93	0.93	0.47	-	-	-	-
50	C423	1.51	0.71	0.96	1.42	0.98	1.33	-	0.53	0.53	0.62	1.24	0.8
51	C424	1.42	1.42	-	1.13	-	-	-	1.70	1.28	1.32	-	0.85
52	C425	3	2.25	2	2	2	2.5	2.5	2.5	2	2	2	1.75
Direct Attainment		2.15	1.77	1.95	1.81	1.84	1.61	1.57	1.54	1.74	1.49	1.64	1.48
Indirect Attainment		3	2.65	2.5	2.5	2.2	2.85	2.75	3	3	3	2.7	2.25
Direct Attainment (80%)		1.72	1.42	1.56	1.45	1.47	1.29	1.25	1.24	1.39	1.19	1.31	1.19
Indirect Attainment (20%)		0.6	0.53	0.55	0.5	0.51	0.57	0.57	0.6	0.6	0.6	0.54	0.45
Total PO-Attainment		2.32	1.95	2.06	1.95	1.91	1.86	1.81	1.83	1.99	1.79	1.85	1.63

	Dr D Y Patil Pratishthan's
	Dr. D.Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune
Academic Year: 2021-22	Department : Mechanical Engineering
Term - I & II	PO-PSO Attainment Values

Evaluation of PSO

PSO Attainment of Batch 2021-22

Sr. No.	Course Code	Name of Subject	SAR Course Code	PSO1	PSO2
1	C211	Engg. Maths-III	C201	-	-
2	C212	Manufacturing Process-I	C202	-	-
3	C213	Computer Aided Machine Drawing	C203	1.50	-
4	C214	Thermodynamics	C204	0.98	0.98
5	C215	Material Science	C205	-	-
6	C216	Strength of Materials	C206	3.00	2.00
7	C221	Fluid Mechanics	C211	0.97	-
8	C222	Soft Skills	C212	0.36	1.08
9	C223	Theory of Machines – I	C213	1.93	1.45
10	C224	Engineering Metallurgy	C214	2.00	-
11	C225	Applied Thermodynamics	C215	1.00	1.00
12	C226	Electrical and Electronics Engineering	C216		
13	C227	Machine Shop – I	C217	0.73	-

	Dr D Y Patil Pratishthan's
	Dr. D.Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune
Academic Year: 2021-22	Department : Mechanical Engineering
Term - I & II	PO-PSO Attainment Values

14	C311	Design of Machine Elements-I	C301	0.92	0.92
15	C312	Heat Transfer*	C302	1.50	-
16	C313	Theory of Machines-II	C303	2.00	1.50
17	C314	Turbo Machines	C304	1.58	-
18	C315	Metrology and Quality Control	C305	1.61	0.97
19	C316	Skill Development	C306	2	1
20	C321	Numerical Methods and Optimization	C311	0.97	0.97
21	C322	Design of Machine Elements-II	C312	1.00	1.00
22	C323	Refrigeration and Air Conditioning	C313	2	-
23	C324	Mechatronics	C314	2.00	-
24	C325	Manufacturing Process-II	C315	1.83	1.50
25	C326	Machine Shop-II	C316	0.73	-
26	C327	Seminar	C317	1.67	3
27	C411	Hydraulics and Pneumatics	C401	1.93	-
28	C412	CAD CAM Automation	C402	1.93	-
29	C413	Dynamics of Machinery	C403	2.75	3

	Dr D Y Patil Pratishthan's
	Dr. D.Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune
Academic Year: 2021-22	Department : Mechanical Engineering
Term - I & II	PO-PSO Attainment Values

30	C414	Finite Element Analysis	C404	2.9	2.9
31	C415	Heating Ventilation and Air Conditioning	C405	1.45	-
32	C416	Automobile Engg.	C406	-	-
33	C417	Project-I	C409	1.25	1
34	C421	Energy Engineering	C411	-	-
35	C422	Mechanical System Design	C412	1.32	0.78
36	C423	Industrial Engineering	C413	0.71	-
37	C424	Product Design and Development	C414	1.04	0.57
38	C425	PROJECT-II	C415	1.25	1
Direct Attainment				1.53	1.40
Indirect Attainment				2.55	2.35
Direct Attainment (80%)				1.53	1.40
Indirect Attainment (20%)				0.54	0.50
Total PSO-ATTAINMENT				1.73	1.59