MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

Kalitheerthalkuppam, Madagadipet, Puducherry - 605 107

DEPARTMENT OF MECHANICAL ENGINEERING

CO ATTAINMENT TABLE (2017-21 BATCH)

SL. NO	COURSE CODE	COURSE NAME	NO. OF STUDENTS APPEARED	NO. OF STUDENTS PASSED	PASS %	CO – ATTAINMENT LEVEL	TARGET LEVEL	ATTAINMENT STATUS
1	C101	Mathematics – I	88	60	68.18	0	3	Not Target Attained
2	C102	Physics	88	80	90.91	3	3	Target Attained
3	C103	Chemistry	87	55	63.22	0	3	Not Target Attained
4	C104	Basic Electrical and Electronics	87	77	88.51	3	3	Target Attained
5	C105	Engineering Thermodynamics	88	79	89.77	3	3	Target Attained
6	C106	Computer Programming	87	58	66.67	0	3	Not Target Attained
7	C107 (P)	Computer Programming Lab	88	87	98.86	3	3	Target Attained
8	C108 (P)	Engineering Graphics	87	83	95.40	3	3	Target Attained
9	C109 (P)	Basic Electrical & Electronics Lab	88	87	98.86	3	3	Target Attained
10	C110	Mathematics – II	84	66	78.57	2	3	Not Target Attained
11	C111	Material Science	84	80	95.24	3	3	Target Attained
12	C112	Environmental Science	84	76	90.48	3	3	Target Attained
13	C113	Basic Civil and Mechanical Engineering	84	62	73.81	1	3	Not Target Attained
14	C114	Engineering Mechanics	84	63	75.00	2	3	Not Target Attained
15	C115	Communicative English	84	83	98.81	3	3	Target Attained
16	C116(P)	Physics lab	85	85	100.00	3	3	Target Attained
17	C117(P)	Chemistry lab	86	86	100.00	3	3	Target Attained

18	C118 (P)	Workshop Practice	86	85	98.84	3	3	Target Attained
19	C119 (P)	NSS / NCC *	88	88	100.00	3	3	Target Attained
20	C201	Mathematics – III	89	61	68.54	0	3	Not Target Attained
21	C202	Mechanics of solids	90	45	50.00	0	3	Not Target Attained
22	C203	Mechanics of Fluids	90	52	57.78	0	3	Target Attained
23	C204	Applied Thermodynamics	90	62	68.89	0	3	Not Target Attained
24	C205	Manufacturing process	90	64	71.11	1	3	Not Target Attained
25	C206	Electrical and Electronics Engineering	90	75	83.33	3	3	Not Target Attained
26	C207(P)	Material Testing and Metallurgy Lab	89	89	100.00	3	3	Target Attained
27	C208(P)	Manufacturing process lab-1	86	85	98.84	3	3	Target Attained
28	C209(P)	Electrical and Electronics lab	90	86	95.56	3	3	Target Attained
29	C210	Mathematics – IV	91	83	91.21	3	3	Target Attained
30	C211	Engineering Metallurgy	91	84	92.31	3	3	Target Attained
31	C212	Fluid Machinery	91	71	78.02	2	3	Not Target Attained
32	C213	Kinematics of Machinery	88	68	77.27	2	3	Not Target Attained
33	C214	Machine Drawing	91	87	95.60	3	3	Target Attained
34	C215	Machining Processes	91	80	87.91	3	3	Target Attained
35	C216(P)	Fluid Mechanics and Machinery Lab	91	89	97.80	3	3	Target Attained
36	C217(P)	Manufacturing Processes Lab - II	88	87	98.86	3	3	Target Attained
37	C218(P)	Computer Aided Machine Drawing Lab	91	89	97.80	3	3	Target Attained
38	C219(P)	Physical Education	91	91	100.00	3	3	Target Attained

39	C301	Dynamics of Machinery	88	72	81.82	3	3	Target Attained
40	C302	Design of Machine Elements	89	69	77.53	2	3	Not Target Attained
41	C303	Metrology and Quality Control	89	81	91.01	3	3	Target Attained
42	C304	Heat and Mass Transfer	88	64	72.73	1	3	Not Target Attained
43	C305	Mechanical Measurements	89	83	93.26	3	3	Target Attained
44	C306	Industrial Casting Technology	87	84	96.55	3	3	Target Attained
45	C307(P)	Manufacturing Process Lab - III	88	83	94.32	3	3	Target Attained
46	C308(P)	Mechanical Measurement and	88	83	94.32	3	3	Target Attained
47	C309(P)	Computational Methods Lab	88	87	98.86	3	3	Target Attained
48	C310(P)	General Proficiency - I	88	88	100.00	3	3	Target Attained
49	C311	Operations Research	89	89	100.00	3	3	Target Attained
50	C312	Design of Transmission Systems	89	89	100.00	3	3	Target Attained
51	C313	Thermal Engineering	89	89	100.00	3	3	Target Attained
52	C314	Computer Integrated Manufacturing	89	89	100.00	3	3	Target Attained
53	C315	Control System Engineering	89	89	100.00	3	3	Target Attained
54	C316	Automobile Engineering	89	89	100.00	3	3	Target Attained
55	C317(P)	Thermal Engineering Lab - I	89	89	100.00	3	3	Target Attained
56	C318(P)	Dynamics of Machine Lab	89	89	100.00	3	3	Target Attained
57	C319(P)	Computational Fluid Dynamics Lab	89	89	100.00	3	3	Target Attained
58	C320(P)	General	89	89	100.0	3	3	Target

		Proficiency - II			0			Attained
59	C401	Computer Aided Design	89	68	76.40	2	3	Not Target Attained
60	C402	Industrial Engineering and management	89	79	88.76	3	3	Target Attained
61	C403	Refrigeration, Air Conditioning and Cryogenic engineering	89	74	83.15	3	3	Target Attained
62	C404	Metal Forming Processes	89	82	92.13	3	3	Target Attained
63	C405 (P)	Thermal Engineering Lab - II	89	89	100.0 0	3	3	Target Attained
64	C406 (P)	Computer Aided Engineering Lab	89	89	100.0 0	3	3	Target Attained
65	C407(P)	Comprehensiv e Viva - Voce	89	89	100.0 0	3	3	Target Attained
66	C408(P)	Industrial Visit/Training Report	89	89	100.0 0	3	3	Target Attained
67	C409(P)	Project Work(Phase I)	89	89	100.0 0	3	3	Target Attained
68	C410	Power Plant Engineering	89	89	100.0 0	3	3	Target Attained
69	C411	Professional Ethics And Indian Constitution	89	89	100.0 0	3	3	Target Attained
70	C412	Composite Materials	89	89	100.0 0	3	3	Target Attained
71	C413	Maintenance And Safety Engineering	89	89	100.0 0	3	3	Target Attained
72	C414	Project Work (Phase- II)	89	89	100.0 0	3	3	Target Attained
73	C415	Seminar	89	89	100.0 0	3	3	Target Attained

DEPT. OF MECHANICAL ENGG.
No.............
Date.............
MIT, PUDUCHERRY

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DEPARTMENT OF MECHANICAL ENGINEERING
ATTAINMENT OF PROGRAM OUTCOMES (2017-21 BATCH)

COURSE CODE	COURSE NAME	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C101	Mathematics – I	0	0	0	0	-	-	-	-	-	-	-	0
C102	Physics	3	3	3	3	-	3	-	-	-	-	-	3
C103	Chemistry	0	0	0	-	-	0	0	-	-	-	-	0
C104	Basic Electrical and Electronics	3	3	3	-	-	3	3	-	-	-	3	3
C105	Engineering Thermodynamics	3	3	3	3	-	-	-	-	-	-	-	3
C106	Computer Programming	0	0	0	0	0	0	0	0	0	0	0	0
C107 (P)	Computer Programming Lab	3	3	3	3	3	3	-	-	3	-	3	3
C108 (P)	Engineering Graphics	3	3	-	-	-	-	-	-	-	-	-	-
C109 (P)	Basic Electrical & Electronics Lab	3	3	-	-	-	3	3	-	3	3	3	3
C110	Mathematics – II	2	2	2	2	-	-	2	-	-	-	-	2
C111	Material Science	3	3	3	-	-	3	3	-	-	-	-	3
C112	Environmental Science	3	-	-	-	-	3	3	-	-	-	3	3
C113	Basic Civil and Mechanical Engineering	1	1	1	1	-	1	1	-	-	1	-	1
C114	Engineering Mechanics	2	2	-	2	-	2	-	-	-	2	-	2
C115	Communicative English	-	-	-	-	-	-	-	-	3	3	-	3
C116(P)	Physics lab	3	-	-	3	-	3	3	-	3	3	-	3
C117(P)	Chemistry lab	3	-	-	-	-	3	3	-	3	3	-	3
C118 (P)	Workshop Practice	-	-	3	-	-	-	-	-	-	-	-	-

C119 (P)	NSS / NCC *	3	-	-	-	3	3	3	3	3	3	3	3
C201	Mathematics – III	0	0	0	0	-	-	-	-	-	-	-	0
C202	Mechanics of solids	0	0	0	0	-	-	-	-	-	-	-	0
C203	Mechanics of Fluids	0	0	0	0	0	-	-	-	-	-	-	0
C204	Applied Thermodynamics	0	0	0	0	-	-	-	-	-	-	-	0
C205	Manufacturing process	1	1	1	1	-	-	-	-	-	-	-	1
C206	Electrical and Electronics Engineering	3	3	3	3	3	3	-	-	3	3	3	3
C207(P)	Material Testing and Metallurgy Lab	3	3	-	3	-	-	-	-	-	-	-	-
C208(P)	Manufacturing process lab-1	3	-	-	-	-	-	-	-	-	3	-	-
C209(P)	Electrical and Electronics lab	3	3	3	3	3	3	-	3	3	3	3	3
C210	Mathematics – IV	3	3	3	3	-	-	3	-	-	-	3	3
C211	Engineering Metallurgy	3	3	3	3	-	-	-	-	-	-	-	-
C212	Fluid Machinery	2	2	2	-	-	2	2	-	-	-	-	2
C213	Kinematics of Machinery	2	2	2	2	-	-	-	-	-	-	-	2
C214	Machine Drawing	3	3	3	-	-	-	-	-	-	3	-	-
C215	Machining Processes	3	-	-	3	-	-	-	-	-	-	-	3
C216(P)	Fluid Mechanics and Machinery Lab	3	3	-	-	-	3	-	-	-	3	-	-
C217(P)	Manufacturing Processes Lab - II	3	-	-	-	-	-	-	-	-	3	-	-
C218(P)	Computer Aided Machine Drawing Lab	3	3	3	-	3	-	-	-	-	-	-	-
C219(P)	Physical Education	-	-	-	-	-	3	-	3	3	3	-	3

C301	Dynamics of Machinery	3	3	-	3	-	-	-	-	-	-	-	-
C302	Design of Machine Elements	2	2	2	2	-	-	-	-	-	-	-	2
C303	Metrology and Quality Control	3	3	3	3	-	3	-	-	-	-	3	-
C304	Heat and Mass Transfer	1	1	1	-	-	-	-	-	-	-	-	1
C305	Mechanical Measurements	3	3	3	3	3	-	-	-	-	-	-	-
C306	Industrial Casting Technology	3	3	3	-	-	3	3	-	-	-	-	-
C307(P)	Manufacturing Process Lab - III	3	-	-	-	3	-	-	-	-	3	-	-
C308(P)	Mechanical Measurement and	3	3	-	3	3	-	-	-	-	-	-	-
C309(P)	Computational Methods Lab	3	3	-	3	-	-	-	-	-	-	-	3
C310(P)	General Proficiency - I	-	-	-	-	-	-	-	-	3	3	-	3
C311	Operations Research	3	3	3	3	-	3	3	-	-	3	3	3
C312	Design of Transmission Systems	3	3	3	3	-	3	-	-	-	-	-	3
C313	Thermal Engineering	3	3	3	-	-	3	-	-	-	-	-	3
C314	Computer Integrated Manufacturing	-	3	3	3	3	-	-	-	-	-	-	-
C315	Control System Engineering	3	3	3	3	3	3	-	-	3	3	3	3
C316	Automobile Engineering	3	-	3	-	-	3	3	-	-	-	-	3
C317(P)	Thermal Engineering Lab - I	3	3	3	-	-	-	-	-	-	-	-	3
C318(P)	Dynamics of Machine Lab	3	3	-	-	-	3	-	-	-	3	-	-
C319(P)	Computational Fluid Dynamics Lab	3	3	-	3	3	-	-	-	-	-	-	3

C320(P)	General Proficiency - II	-	-	-	-	-	-	-	3	3	3	-	3
C401	Computer Aided Design	2	2	2	-	2	-	-	-	-	2	-	-
C402	Industrial Engineering and management	3	3	3	3	3	3	3	3	3	-	3	3
C403	Refrigeration, Air Conditioning and Cryogenic engineering	3	3	3	3	3	3	3	3	3	3	3	3
C404	Metal Forming Processes	3	-	-	-	-	-	3	-	-	-	3	3
C405 (P)	Thermal Engineering Lab - II	3	3	3	3	-	3	-	-	-	-	-	-
C406 (P)	Computer Aided Engineering Lab	3	-	3	-	3	-	-	-	-	-	-	-
C407(P)	Comprehensive Viva - Voce	3	3	-	-	3	3	-	3	3	3	-	3
C408(P)	Industrial Visit/Training Report	3	-	-	3	3	3	-	3	3	3	3	3
C409(P)	Project Work(Phase I)	3	3	3	3	3	3	3	3	3	3	3	3
C410	Power Plant Engineering	3	3	3	3	3	3	3	3	3	3	3	3
C411	Professional Ethics And Indian Constitution	-	-	-	-	-	-	-	3	-	-	-	3
C412	Composite Materials	3	-	-	-	-	-	3	-	-	-	-	3
C413	Maintenance And Safety Engineering	3	3	3	-	-	-	3	-	-	-	-	3
C414	Project Work (Phase- II)	3	3	3	3	3	3	3	3	3	3	3	3
C415	Seminar	-	3	-	3	-	-	-	-	-	3	-	3
AVG OF POs		**2.49**	**2.39**	**2.29**	**2.35**	**2.68**	**2.71**	**2.58**	**2.77**	**2.85**	**2.76**	**2.84**	**2.40**

DIRECT ASSESSMENT OF Pos

DIRECT ASSESSMENT OF POs												
PO' S	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
AVG OF DIRECT ASSESSMENT	2.49	2.39	2.29	2.35	2.68	2.71	2.58	2.77	2.85	2.76	2.84	2.40
WEIGHTAGE OF 80% OF DIRECT PO	1.99	1.91	1.83	1.88	2.15	2.16	2.07	2.22	2.28	2.21	2.27	1.92

INDIRECT ASSESSMENT OF POs

INDIRECT ASSESSMENT												
SURVEYs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
COURSE EXIT SURVEY	2.88	2.58	2.81	2.54	2.58	2.62	2.58	2.77	2.81	2.77	2.69	2.62
ALUMNI SURVEY	2.55	2.44	2.59	2.5	2.55	2.36	2.47	2.33	2.42	2.35	2.38	2.41
EMPLOYER SURVEY	2.8	2.2	2	2.5	2.4	2.6	2.4	2.4	2.8	2.4	2.2	2.8
AVG OF 3 SURVEYS	2.7	2.40	2.46	2.5	2.51	2.527	2.48	2.5	2.67	2.51	2.42	2.61
WEIGHTAGE OF 20% OF IN DIRECT PO	0.55	0.48	0.49	0.50	0.50	0.50	0.50	0.5	0.535	0.50	0.48	0.52

OVERALL ATTAINMENT OF POs

OVERALL ATTAINMENT OF POs												
PO' S	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
(DIRECT 80%)	1.99	1.91	1.83	1.88	2.15	2.16	2.07	2.22	2.28	2.21	2.27	1.92
(INDIRECT 20%)	0.55	0.48	0.49	0.50	0.50	0.50	0.50	0.5	0.54	0.50	0.48	0.52
OVERALL	2.54	2.39	2.32	2.38	2.65	2.67	2.56	2.72	2.82	2.71	2.76	2.44
TARGET	3	3	3	3	3	3	3	3	3	3	3	3

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DEPARTMENT OF MECHANICAL ENGINEERING
ATTAINMENT OF PROGRAM SPECIFIC OUTCOMES (2017-21 BATCH)

COURSE CODE	COURSE NAME	PSO1	PSO2
C101	Mathematics – I	-	0
C102	Physics	3	3
C103	Chemistry	0	-
C104	Basic Electrical and Electronics	3	3
C105	Engineering Thermodynamics	3	-
C106	Computer Programming	0	0
C107 (P)	Computer Programming Lab	3	3
C108 (P)	Engineering Graphics	-	3
C109 (P)	Basic Electrical & Electronics Lab	-	-
C110	Mathematics – II	-	2
C111	Material Science	3	3
C112	Environmental Science	3	3
C113	Basic Mechanical Engineering	1	-
C114	Engineering Mechanics	-	-
C115	Communicative English	3	3
C116(P)	Physics lab	3	3
C117(P)	Chemistry lab	-	-
C118 (P)	Workshop Practice	3	-
C119 (P)	NSS/NCC*	-	-
C201	Mathematics – III	0	0
C202	Mechanics of solids	-	0

C203	Mechanics of Fluids	0	0
C204	Applied Thermodynamics	0	0
C205	Manufacturing process	1	-
C206	Electrical and Electronics Engineering	3	3
C207(P)	Material Testing and Metallurgy Lab	-	3
C208(P)	Manufacturing process lab-1	3	-
C209(P)	Electrical and Electronics lab	3	3
C210	Mathematics – IV	3	3
C211	Engineering Metallurgy	3	-
C212	Fluid Machinery	2	2
C213	Kinematics of Machinery	2	2
C214	Machine Drawing	-	3
C215	Machining Processes	3	-
C216(P)	Fluid Mechanics and Machinery Lab	3	-
C217(P)	Manufacturing Processes Lab - II	3	-
C218(P)	Computer Aided Machine Drawing Lab	-	3
C219(P)	Physical Education	-	-
C301	Dynamics of Machinery	3	3
C302	Design of Machine Elements	-	2
C303	Metrology and Quality Control	3	-
C304	Heat and Mass Transfer	1	-
C305	Mechanical Measurements	3	3
C306	Industrial Casting Technology	3	3

C307(P)	Manufacturing Process Lab - III	3	3
C308(P)	Mechanical Measurement and	3	-
C309(P)	Computational Methods Lab	-	3
C310(P)	General Proficiency - I	-	-
C311	Operations Research	-	3
C312	Design of Transmission Systems	-	3
C313	Thermal Engineering	3	-
C314	Computer Integrated Manufacturing	3	3
C315	Control System Engineering	3	3
C316	Automobile Engineering	3	3
C317(P)	Thermal Engineering Lab - I	3	-
C318(P)	Dynamics of Machine Lab	3	-
C319(P)	Computational Fluid Dynamics Lab	-	3
C320(P)	General Proficiency - II	-	-
C401	Computer Aided Design	-	2
C402	Industrial Engineering and management	3	3
C403	Refrigeration, Air Conditioning and Cryogenic engineering	3	3
C404	Metal Forming Processes	3	-
C405 (P)	Thermal Engineering Lab - II	3	-
C406 (P)	Computer Aided Engineering Lab	-	3
C407(P)	Comprehensive Viva - Voce	3	3

C408(P)	Industrial Visit/Training Report	3	3
C409(P)	Project Work(Phase I)	3	3
C410	Power Plant Engineering	3	3
C411	Professional Ethics And Indian Constitution	-	-
C412	Composite Materials	3	-
C413	Maintenance And Safety Engineering	3	-
C414(P)	Project Work (Phase- II)	3	3
C415(P)	Seminar	3	3
Average of PSO's		**2.55**	**2.49**

DIRECT ASSESSMENT OF PSOs

DIRECT ASSESSMENT OF PSO		
PSO'S	PSO1	PS02
AVG OF DIRECT ASSESSMENT	**2.55**	**2.49**
(WEIGHTAGE OF 80%)	**2.04**	**1.99**

INDIRECT ASSESSMENT OF PSOs

INDIRECT ASSESSMENT OF PSO		
SURVEYs	PSO1	PSO2
COURSE EXIT SURVEY	**3**	**2.42**
ALUMNI SURVEY	**2.58**	**2.64**
EMPLOYER SURVEY	**0.56**	**0.51**
AVG OF SURVEYS	**2.05**	**1.86**
(WEIGHTAGE OF 20%)	**0.41**	**0.37**

OVERALL ATTAINMENT OF PSOs

OVERALL ATTAINMENT OF PSO		
PSO'S	PSO1	PSO2
(DIRECT 80%)	**2.04**	**1.99**
(INDIRECT 20%)	**0.41**	**0.37**
OVERALL	**2.45**	**2.36**
TARGET	3	3

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