

Velammal College of Engineering & Technology, Madurai

Department of CIVIL

CO Attainment

Branch/Sem/Sec : CIVIL ENGINEERING/VII/-

Sub Code/Name : CE8702/Railway,Airports, Docks and Harbour Engineering

Batch :2019-2023

Faculty In charge with Designation : A.V.Deepan Chakravarthi/APIII

Attainment Level	3	2	1	Others
Target Achieved	Above 70	60 to 69	50 to 59	0

Assessment Tools	CO1	CO2	CO3	CO4	CO5
Internal Exams	85.00	82.50	77.50	60.00	77.50
University Exams	42.86	42.86	42.86	42.86	42.86
Course Exit survey	100.00	100.00	100.00	100.00	100.00

CO Attainment					
Course Outcomes	CO1	CO2	CO3	CO4	CO5
CO - Direct Countious Assessment (50%)	42.50	41.25	38.75	30.00	38.75
CO - Direct end semester Exam (40%)	17.14	17.14	17.14	17.14	17.14
CO - Indirect Assessment (10%)	10.00	10.00	10.00	10.00	10.00
Total	69.64	68.39	65.89	57.14	65.89
CO's Attainment Level	2	2	2	1	2

Velammal College of Engineering & Technology, Madurai
Department of CIVIL
PO Attainment

Branch/Sem/Sec : CIVIL ENGINEERING/VII/-

Sub Code/Name : CE8702/Railway,Airports, Docks and Harbour Engineering

Batch :2019-2023

Faculty In charge with Designation : A.V.Deepan Chakravarthi/APIII

CO-PO Mapping

CO	PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2
	K-level	K3	K4	K5	K5	K6	K4	K3	K3	K3	K3	K3	K3	K4	K3
CO1	K2	3.00	1.00	1.00	1.00	---	1.00	---	1.00	---	---	---	2.00	2.00	2.00
CO2	K2	3.00	1.00	1.00	1.00	---	1.00	---	1.00	---	---	---	2.00	2.00	2.00
CO3	K2	3.00	1.00	1.00	1.00	---	1.00	---	1.00	---	---	---	2.00	2.00	2.00
CO4	K2	3.00	1.00	1.00	1.00	---	1.00	---	1.00	---	---	---	2.00	2.00	2.00
CO5	K2	3.00	1.00	1.00	1.00	---	1.00	---	1.00	---	---	---	2.00	2.00	2.00
Sub Code/Name : CE8702/Railway,Airports, Docks and Harbour Engineering		3.00	1.00	1.00	1.00	---	1.00	0.00	1.00	---	---	---	2.00	2.00	2.00

CO-PO Attainment

CO	PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2
	K-level	K3	K4	K5	K5	K6	K4	K3	K3	K3	K3	K3	K3	K4	K3
CO1	K2	2.00	0.67	0.67	0.67	---	0.67	---	0.67	---	---	---	1.33	1.33	1.33
CO2	K2	2.00	0.67	0.67	0.67	---	0.67	---	0.67	---	---	---	1.33	1.33	1.33
CO3	K2	2.00	0.67	0.67	0.67	---	0.67	---	0.67	---	---	---	1.33	1.33	1.33
CO4	K2	1.00	0.33	0.33	0.33	---	0.33	---	0.33	---	---	---	0.67	0.67	0.67
CO5	K2	2.00	0.67	0.67	0.67	---	0.67	---	0.67	---	---	---	1.33	1.33	1.33
Sub Code/Name : CE8702/Railway,Airports, Docks and Harbour Engineering		2.00	1.00	1.00	1.00	---	1.00	---	1.00	---	---	---	2.00	2.00	2.00

Provide results of evaluation of PO&PSO

PO Attainment batch 2019-23:

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C101	---	---	---	---	---	---	---	---	---	2.00	---	---
C102	2.00	1.00	---	---	---	---	---	---	---	---	---	---
C103	1.00	1.00	---	---	---	---	---	---	---	1.00	---	---
C104	2.00	1.00	---	---	---	1.00	---	---	---	1.00	---	---
C105	3.00	2.00	1.00	1.00	1.00	---	---	1.00	---	1.00	1.00	1.00
C106	2.00	1.00	1.00	2.00	1.00	---	---	---	---	1.00	---	---
C107	3.00	3.00	1.00	1.00	2.00	---	---	1.00	---	1.00	---	1.00
C108	3.00	---	---	---	---	---	---	---	1.00	---	---	---
C109	---	---	---	---	---	---	---	---	---	2.00	---	---
C110	0.00	0.00	---	---	---	---	---	---	---	---	---	---
C111	2.00	1.00	---	---	---	---	---	---	---	---	---	---
C112	1.00	1.00	1.00	0.00	---	---	---	---	---	1.00	1.00	1.00
C113	3.00	---	---	---	---	---	---	---	1.00	---	---	---
C114	0.00	0.00	0.00	0.00	---	---	---	---	---	---	---	0.00
C115	3.00	2.00	2.00	1.00	---	---	---	---	2.00	1.00	---	1.00
C116	2.00	2.00	2.00	1.00	2.00	1.00	---	1.00	1.00	---	---	2.00
C201	0.40	0.40	---	---	---	---	---	---	---	---	---	---
C202	1.00	1.00	1.00	1.00	---	---	---	---	---	---	---	0.67
C203	1.25	1.25	0.84	0.84	---	---	0.42	---	---	---	---	0.42
C204	1.33	0.89	0.45	0.45	---	---	---	---	---	---	---	0.89
C205	0.67	0.67	0.67	0.67	---	0.67	0.67	---	---	---	0.33	0.33
C206	1.47	0.73	---	0.73	---	0.73	0.73	0.73	---	---	---	0.73
C207	2.00	2.00	---	---	1.00	1.00	1.00	1.00	3.00	---	2.00	2.00
C208	3.00	2.00	1.00	1.00	2.00	---	---	---	3.00	1.00	1.00	2.00
C209	---	---	---	---	---	---	---	---	1.00	2.00	---	---
C210	3.00	2.00	---	---	---	---	---	---	---	---	---	---
C211	2.00	1.00	---	---	---	1.00	1.00	1.00	1.00	---	1.00	1.00
C212	3.00	3.00	3.00	3.00	---	---	---	---	---	---	---	2.00
C213	3.00	3.00	3.00	1.00	---	2.00	2.00	---	---	---	---	2.00
C214	2.00	2.00	1.00	1.00	---	1.00	1.00	1.00	---	---	1.00	2.00
C215	3.00	3.00	1.00	1.00	---	2.00	1.00	1.00	---	---	---	1.00
C216	3.00	3.00	---	---	2.00	2.00	---	1.00	3.00	1.00	2.00	1.00
C217	3.00	3.00	---	---	2.00	---	---	1.00	3.00	---	1.00	1.00

C218	---	---	---	---	---	---	---	---	1.00	2.00	---	---
C301	3.00	3.00	3.00	3.00	---	---	---	---	---	---	1.00	2.00
C302	3.00	3.00	3.00	2.00	---	---	---	---	---	---	1.00	1.00
C303	3.00	3.00	3.00	2.00	---	2.00	3.00	1.00	---	---	2.00	2.00
C304	1.00	1.00	0.67	0.67	---	1.00	0.67	0.33	---	---	---	0.33
C305	1.33	1.33	---	0.67	---	0.67	0.67	---	---	0.67	0.67	1.33
C306	3.00	1.00	1.00	1.00	---	---	1.00	---	1.00	---	1.00	1.00
C307	3.00	3.00	2.00	2.00	3.00	2.00	---	1.00	3.00	---	1.00	1.00
C308	2.00	2.00	---	---	2.00	2.00	2.00	1.00	3.00	---	2.00	2.00
C309	3.00	2.00	1.00	1.00	3.00	---	---	---	3.00	2.00	3.00	3.00
C310	3.00	3.00	3.00	3.00	---	---	---	---	---	---	1.00	2.00
C311	3.00	3.00	3.00	2.00	---	---	---	---	---	---	1.00	1.00
C312	2.00	1.00	2.00	1.00	---	2.00	3.00	---	---	---	1.00	2.00
C313	3.00	2.00	1.00	1.00	---	1.00	---	---	---	---	---	2.00
C314	3.00	3.00	3.00	2.00	---	2.00	3.00	1.00	---	---	2.00	2.00
C315	2.00	1.00	2.00	1.00	---	1.00	1.00	2.00	1.00	1.00	---	1.00
C316	2.00	2.00	1.00	---	1.00	1.00	1.00	1.00	3.00	---	1.00	1.00
C317	2.00	2.00	2.00	---	---	1.00	2.00	1.00	---	---	---	1.00
C318	---	---	---	---	---	---	---	---	1.00	3.00	---	---
C401	3.00	2.00	1.00	2.00	---	1.00	---	1.00	1.00	1.00	2.00	1.00
C402	3.00	1.00	1.00	1.00	---	1.00	---	1.00	---	---	---	2.00
C403	3.00	3.00	3.00	3.00	---	1.00	---	1.00	---	1.00	1.00	1.00
C404	2.00	2.00	2.00	2.00	---	3.00	3.00	1.00	---	---	2.00	2.00
C405	1.00	1.00	---	---	---	2.00	2.00	2.00	---	---	1.00	2.00
C406	3.00	3.00	3.00	3.00	3.00	1.00	1.00	1.00	3.00	1.00	2.00	3.00
C407	3.00	3.00	3.00	3.00	3.00	1.00	1.00	1.00	3.00	1.00	2.00	3.00
C408	1.20	1.20	1.20	0.60	---	0.60	0.60	0.60	---	---	0.60	1.20
C409	2.00	2.00	1.00	---	1.00	1.00	1.00	1.00	---	---	---	2.00
C410	3.00	3.00	3.00	3.00	3.00	1.00	1.00	1.00	3.00	1.00	2.00	3.00
CACT1	---	---	---	---	---	2.00	1.00	2.00	1.00	2.00	2.00	2.00
CACT3	---	---	---	---	---	2.00	1.00	2.00	1.00	2.00	2.00	2.00
CACT6	---	---	---	---	---	1.00	2.00	1.00	2.00	2.00	2.00	---
CACT7	---	---	---	---	---	2.00	1.00	1.00	2.00	---	2.00	---
CACT8	---	---	---	---	---	2.00	---	---	2.00	---	---	---

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO Attainment	2.45	2.12	1.93	1.77	2.25	1.72	1.75	1.48	2.16	1.69	1.70	1.77
Direct Attainment	2.31	1.90	1.67	1.46	2.06	1.40	1.44	1.10	1.95	1.36	1.37	1.47
Indirect Attainment	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00

PSO Attainment

Course	PSO 1	PSO 2
C101	1.00	1.00
C102	2.00	2.00
C103	2.00	2.00
C104	2.00	2.00
C105	2.00	2.00
C106	2.00	2.00
C107	2.00	2.00
C108	2.00	2.00
C109	1.00	1.00
C110	0.00	0.00
C111	2.00	2.00
C112	1.00	1.00
C113	2.00	2.00
C114	0.00	0.00
C115	2.00	2.00
C116	2.00	2.00
C201	0.27	0.27
C202	1.00	1.00
C203	1.25	1.25
C204	0.89	0.89
C205	0.67	0.67
C206	0.73	1.47
C207	1.00	1.00
C208	2.00	2.00
C209	1.00	1.00
C210	2.00	2.00

C211	2.00	2.00
C212	3.00	3.00
C213	2.00	2.00
C214	2.00	2.00
C215	2.00	2.00
C216	2.00	2.00
C217	2.00	2.00
C218	1.00	1.00
C301	2.00	3.00
C302	3.00	3.00
C303	2.00	2.00
C304	0.67	1.00
C305	1.33	0.67
C306	1.00	1.00
C307	2.00	2.00
C308	2.00	2.00
C309	2.00	2.00
C310	2.00	3.00
C311	3.00	3.00
C312	2.00	1.00
C313	2.00	1.00
C314	2.00	2.00
C315	2.00	2.00
C316	2.00	2.00
C317	2.00	2.00
C318	1.00	1.00
C401	2.00	3.00
C402	2.00	2.00
C403	3.00	3.00
C404	2.00	2.00
C405	1.00	1.00
C406	3.00	3.00
C407	3.00	3.00
C408	1.20	0.60
C409	2.00	2.00
C410	3.00	3.00

CACT1	2.00	1.00
CACT3	---	1.00
CACT6	2.00	2.00
CACT7	2.00	2.00
CACT8	2.00	2.00

PSO Attainment Level

Course	PO1	PO2
CO Attainment	1.99	1.98
Direct Attainment	1.73	1.72
Indirect Attainment	3.00	3.00

Velammal College of Engineering and Technology, Madurai - 625009
Department of Mechanical Engineering

Course Outcome Attainment

Branch: B.E. Mech	Year/Section: III/B	Semester: 05
CO: ME6502.1	Course Code & Title: ME6502 & HEAT AND MASS TRANSFER	
CO Statement: Solve the problems on conductive Heat Transfer(K3)		

S.No	Student Reg./Roll No.	Student Name	UT-1 (25)	UT-1	ASN. (10)	ASN.	CT-1 (60)	CT-1	Avg.	CO1 AVG
1	14MECH57	BALA MURUGAN.K	16	2	10	3	32	1	2	67
2	14MECH58	BALAJI.R.B	18	3	9	3	45	3	3	100
3	14MECH59	BENEDICT ROBIN DURAI.P	19	3	10	3	42	2	2.67	89
4	14MECH61	DINESH PAUL.S	17	2	10	3	50	3	2.67	89
5	14MECH62	DOMINIC PRABHU.J	18	3	10	3	47	3	3	100
6	14MECH63	ENBHARAJAR.P.M	17	2	9	3	45	3	2.67	89
7	14MECH64	HARESH KUMAR.M	16	2	9	3	48	3	2.67	89
8	14MECH65	JEFFREY AARON.X	15	1	10	3	46	3	2.33	78
9	14MECH66	JEROME CHRISTOFER.A	19	3	10	3	50	3	3	100
10	14MECH67	JOHNSON.M	19	3	8	3	51	3	3	100
11	14MECH68	KALIRAJAN.M	18	3	10	3	40	2	2.67	89
12	14MECH69	KARKUVEL RAJ.N	19	3	9	3	16	1	2.33	78
13	14MECH70	KATHIRESAN.M	19	3	10	3	48	3	3	100
14	14MECH71	KISHORE.R	17	2	8	3	47	3	2.67	89
15	14MECH72	KRISHNA KUMAR.M	17	2	8	3	43	3	2.67	89
16	14MECH73	KRISHNAN.S	16	2	10	3	35	1	2	67
17	14MECH74	MOHAMED ABUTHAHIR.S	17	2	9	3	44	3	2.67	89
18	14MECH75	MOHAMED HAYAS.J	18	3	10	3	49	3	3	100
19	14MECH76	MOHAN.R	19	3	8	3	53	3	3	100
20	14MECH77	MOHANA SUNDARAM.C	18	3	9	3	46	3	3	100
21	14MECH78	MUGILAN.M	19	3	10	3	44	3	3	100
22	14MECH79	NITHIN.B	15	1	9	3	46	3	2.33	78
23	14MECH80	POO MURUGAN.B	19	3	10	3	49	3	3	100
24	14MECH81	PUKAZH VANNAN.I	8	1	9	3	45	3	2.33	78
25	14MECH82	RAJESHWAR.R	18	3	9	3	50	3	3	100
26	14MECH83	RAJESHWARAN.N	24	3	9	3	42	2	2.67	89
27	14MECH84	RAM KUMAR.T	22	3	10	3	45	3	3	100
28	14MECH85	RANJITH KUMAR.B	17	2	8	3	53	3	2.67	89
29	14MECH86	SAI ASHUPATHI RAJAN.C	17	2	9	3	52	3	2.67	89
30	14MECH87	SAI VIGNESH.T	21	3	10	3	47	3	3	100
31	14MECH88	SAILESH.N.M	9	1	140	3	53	3	2.33	78
32	14MECH89	SARAVANA KUMAR.M	18	3	10	3	46	3	3	100
33	14MECH90	SARAVANAN.C.M	19	3	9	3	50	3	3	100
34	14MECH91	SARAVANAN.M	19	3	9	3	49	3	3	100
35	14MECH92	SEKKAPPAN.S	19	3	9	3	48	3	3	100
36	14MECH93	SHANKAR RAJ.R	19	3	10	3	50	3	3	100
37	14MECH94	SIDDHARTH.S	19	3	10	3	37	2	2.67	89
38	14MECH95	SIVA PRABHU.P	19	3	10	3	42	2	2.67	89
39	14MECH96	SIVA PRAKASH S	20	3	10	3	40	2	2.67	89
40	14MECH97	SIVA.P	19	3	8	3	45	3	3	100
41	14MECH98	SOMA SUNDARAM.A.R	19	3	10	3	47	3	3	100
42	14MECH99	SRIRAM.P.S	19	3	9	3	51	3	3	100
43	14MECH101	SUHIRDHAN.T	19	3	9	3	46	3	3	100
44	14MECH102	SYLVERSTER JONES.G	19	3	10	3	48	3	3	100
45	14MECH103	THOMAS.M	17	2	10	3	30	1	2	67
46	14MECH104	UDHAYA BHARATHI.S	19	3	10	3	45	3	3	100
47	14MECH105	ULAGA RAMA PANDIAN.P	17	2	9	3	47	3	2.67	89

48	14MECH106	VIGNESH.M	19	3	9	3	50	3	3	100
49	14MECH107	VINODH KUMAR.P	17	2	8	3	50	3	2.67	89
50	14MECH108	YOGITH.G.P	19	3	9	3	43	3	3	100
51	14MECH109	JEYAKUMAR.V	19	3	9	3	43	3	3	100
52	14MECH110	RAJA RAJESWARI C	19	3	9	3	39	2	2.67	89
53	14MECH111	RAJ KUMAR K	19	3	10	3	51	3	3	100
54	14MECH112	SIVA KUMAR S	19	3	10	3	47	3	3	100
55	14MECH113	ABDUL HALIM.A	21	3	9	3	50	3	3	100
56	14MECH114	ARUN PRASATH.R	19	3	8	3	53	3	3	100
57	15LMEB01	AJITH RAJ. G	21	3	9	3	47	3	3	100
58	15LMEB02	BALARAMAN. R	19	3	10	3	54	3	3	100
59	15LMEB04	DHAMODHARAKANNAN. P	19	3	9	3	50	3	3	100
60	15LMEB05	DHINESH. G	17	2	9	3	50	3	2.67	89
61	15LMEB06	KATHIRESH. S	19	3	10	3	50	3	3	100
62	15LMEB08	VENKATESAN. M	17	2	9	3	45	3	2.67	89
63	15LMEB09	VIJAYSUNDAR. B	21	3	10	3	41	2	2.67	89
64	15LMEB10	BALAJI. S	19	3	10	3	44	3	3	100

Meeting the Target	57	56	60
Percentage Attained	89.06	87.5	93.75
Individual Attainment	3	3	3

Overall attainment of ME6402.1	3
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Target Levels	
UT	17
ASN.	9
CT	36

Attainment Levels	
60%	1
70%	2
80%	3

COURSE INCHARGE

COURSE CO-ORDINATOR

MODULE CO-ORDINATOR

PROGRAMME CO-ORDINATOR

Velammal College of Engineering and Technology, Madurai - 625009

Department of Mechanical Engineering

Course Outcome Attainment

Branch: B.E. Mech	Year/Section: III/B	Semester: 05
CO: ME6502.1	Course Code & Title: ME6502 & HEAT AND MASS TRANSFER	
CO Statement: : Solve the problems on convective Heat Transfer (K3)		

S.No	Student Reg./Roll No.	Student Name	UT-2 (25)	UT-2	ASN. (10)	ASN.	CT-2 (60)	CT-2	Avg.	CO2 AVG
1	14MECH57	BALA MURUGAN.K	17	2	9	3	30	1	2	67
2	14MECH58	BALAJI.R.B	24	3	9	3	32	1	2	78
3	14MECH59	BENEDICT ROBIN DURAI.P	17	2	10	3	38	2	2	78
4	14MECH61	DINESH PAUL.S	19	3	9	3	46	3	3	100
5	14MECH62	DOMINIC PRABHU.J	24	3	10	3	42	2	3	89
6	14MECH63	ENBHARAJAR.P.M	19	3	10	3	45	3	3	100
7	14MECH64	HARESH KUMAR.M	18	3	10	3	43	3	3	100
8	14MECH65	JEFFREY AARON.X	17	2	10	3	39	2	2	78
9	14MECH66	JEROME CHRISTOFER.A	18	3	10	3	52	3	3	100
10	14MECH67	JOHNSON.M	14	1	10	3	45	3	2	78
11	14MECH68	KALIRAJAN.M	18	3	9	3	37	2	3	89
12	14MECH69	KARKUVEL RAJ.N	19	3	9	3	43	3	3	100
13	14MECH70	KATHIRESAN.M	17	2	10	3	45	3	3	89
14	14MECH71	KISHORE.R	19	3	10	3	31	1	2	78
15	14MECH72	KRISHNA KUMAR,M	19	3	9	3	46	3	3	100
16	14MECH73	KRISHNAN.S	15	1	9	3	32	1	2	56
17	14MECH74	MOHAMED ABUTHAHIR.S	21	3	10	3	45	3	3	100
18	14MECH75	MOHAMED HAYAS.J	20	3	10	3	50	3	3	100
19	14MECH76	MOHAN.R	19	3	9	3	47	3	3	100
20	14MECH77	MOHANA SUNDARAM.C	17	2	9	3	44	3	3	89
21	14MECH78	MUGILAN.M	18	3	10	3	46	3	3	100
22	14MECH79	NITHIN.B	18	3	10	3	42	2	3	89
23	14MECH80	POO MURUGAN.B	17	2	9	3	49	3	3	89
24	14MECH81	PUKAZH VANNAN.I	19	3	9	3	42	2	3	89
25	14MECH82	RAJESHWAR.R	17	2	10	3	41	2	2	78
26	14MECH83	RAJESHWARAN.N	16	2	9	3	40	2	2	78
27	14MECH84	RAM KUMAR.T	21	3	9	3	50	3	3	100
28	14MECH85	RANJITH KUMAR.B	19	3	10	3	34	1	2	78
29	14MECH86	SAI ASHUPATHI RAJAN.C	19	3	9	3	45	3	3	100
30	14MECH87	SAI VIGNESH.T	20	3	8	3	44	3	3	100
31	14MECH88	SAILESH.N.M	12	1	9	3	50	3	2	78
32	14MECH89	SARAVANA KUMAR.M	17	2	9	3	46	3	3	89
33	14MECH90	SARAVANAN.C.M	19	3	10	3	46	3	3	100
34	14MECH91	SARAVANAN.M	18	3	10	3	46	3	3	100
35	14MECH92	SEKKAPPAN.S	18	3	9	3	48	3	3	100
36	14MECH93	SHANKAR RAJ.R	16	2	9	3	34	1	2	67
37	14MECH94	SIDDHARTH.S	17	2	9	3	46	3	3	89
38	14MECH95	SIVA PRABHU.P	17	2	10	3	41	2	2	78
39	14MECH96	SIVA PRAKASH S	19	3	9	3	42	2	3	89
40	14MECH97	SIVA.P	17	2	9	3	46	3	3	89
41	14MECH98	SOMA SUNDARAM.A.R	21	3	9	3	42	2	3	89

42	14MECH99	SRIRAM.P.S	19	3	10	3	45	3	3	100
43	14MECH101	SUHIRDHAN.T	18	3	10	3	47	3	3	100
44	14MECH102	SYLVERSTER JONES.G	19	3	10	3	43	3	3	100
45	14MECH103	THOMAS.M	17	2	9	3	41	2	2	78
46	14MECH104	UDHAYA BHARATHI.S	21	3	9	3	48	3	3	100
47	14MECH105	ULAGA RAMA PANDIAN.P	17	2	9	3	47	3	3	89
48	14MECH106	VIGNESH.M	17	2	10	3	45	3	3	89
49	14MECH107	VINODH KUMAR.P	14	1	10	3	48	3	2	78
50	14MECH108	YOGITH.G.P	17	2	10	3	42	2	2	78
51	14MECH109	JEYAKUMAR.V	17	2	10	3	43	3	3	89
52	14MECH110	RAJA RAJESWARI C	17	2	9	3	45	3	3	89
53	14MECH111	RAJ KUMAR K	17	2	9	3	43	3	3	89
54	14MECH112	SIVA KUMAR S	17	2	10	3	43	3	3	89
55	14MECH113	ABDUL HALIM.A	20	3	10	3	47	3	3	100
56	14MECH114	ARUN PRASATH.R	20	3	10	3	44	3	3	100
57	15LMEB01	AJITH RAJ. G	20	3	9	3	51	3	3	100
58	15LMEB02	BALARAMAN. R	19	3	9	3	50	3	3	100
59	15LMEB04	DHAMODHARAKANNAN. P	20	3	8	3	50	3	3	100
60	15LMEB05	DHINESH. G	19	3	9	3	51	3	3	100
61	15LMEB06	KATHIRESH. S	19	3	10	3	41	2	3	89
62	15LMEB08	VENKATESAN. M	19	3	9	3	44	3	3	100
63	15LMEB09	VIJAYSUNDAR. B	20	3	8	3	38	2	3	89
64	15LMEB10	BALAJI. S	19	3	10	3	46	3	3	100
Meeting the Target			58		61		58			
Percentage Attained			90.625		95.31		90.625			
Individual Attainment			2		3		3			

Overall attainment of ME6402.2	3
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Target Levels	
UT	17
ASN.	9
CT	36

Attainment Levels	
60%	1
70%	2
80%	3

COURSE INCHARGE

COURSE CO-ORDINATOR

MODULE CO-ORDINATOR

PROGRAMME CO-ORDINATOR

Velammal College of Engineering and Technology, Madurai - 625009

Department of Mechanical Engineering

Course Outcome Attainment

Branch: B.E. Mech	Year/Section: III/B	Semester: 05
CO: ME6502.1	Course Code & Title: ME6502 & HEAT AND MASS TRANSFER	
Describe the theories of phase change Heat Transfer (K2)		

S.No	Student Reg./Roll No.	Student Name	UT-3 (25)	UT-3	ASN. (10)	ASN.	CT-3 (60)	CT-3	Avg.	CO3 AVG
1	14MECH57	BALA MURUGAN.K	19	3	10	3	34	1	2	78
2	14MECH58	BALAJI.R.B	20	3	10	3	20	1	2	78
3	14MECH59	BENEDICT ROBIN DURAI.P	18	3	9	3	30	1	2	78
4	14MECH61	DINESH PAULS	18	3	9	3	46	3	3	100
5	14MECH62	DOMINIC PRABHU.J	23	3	9	3	37	2	3	89
6	14MECH63	ENBHARAJAR.P.M	21	3	9	3	40	2	3	89
7	14MECH64	HARESH KUMAR.M	17	2	10	3	41	2	2	78
8	14MECH65	JEFFREY AARON.X	18	3	10	3	45	3	3	100
9	14MECH66	JEROME CHRISTOFER.A	17	2	10	3	52	3	3	89
10	14MECH67	JOHNSON.M	13	1	9	3	33	1	2	56
11	14MECH68	KALIRAJAN.M	19	3	9	3	32	1	2	78
12	14MECH69	KARKUVEL RAJ.N	18	3	9	3	16	1	2	78
13	14MECH70	KATHIRESAN.M	13	1	10	3	45	3	2	78
14	14MECH71	KISHORE.R	19	3	10	3	30	1	2	78
15	14MECH72	KRISHNA KUMAR.M	18	3	9	3	47	3	3	100
16	14MECH73	KRISHNAN.S	19	3	10	3	31	1	2	78
17	14MECH74	MOHAMED ABUTHAHIR.S	22	3	10	3	32	1	2	78
18	14MECH75	MOHAMED HAYAS.J	19	3	10	3	52	3	3	100
19	14MECH76	MOHAN.R	18	3	8	3	53	3	3	100
20	14MECH77	MOHANA SUNDARAM.C	17	2	9	3	0	1	2	67
21	14MECH78	MUGILAN.M	19	3	9	3	53	3	3	100
22	14MECH79	NITHIN.B	17	2	9	3	0	1	2	67
23	14MECH80	POO MURUGAN.B	18	3	9	3	52	3	3	100
24	14MECH81	PUKAZH VANNAN.I	17	2	8	3	49	3	3	89
25	14MECH82	RAJESHWAR.R	19	3	10	3	52	3	3	100
26	14MECH83	RAJESHWARAN.N	19	3	10	3	46	3	3	100
27	14MECH84	RAM KUMAR.T	20	3	9	3	50	3	3	100
28	14MECH85	RANJITH KUMAR.B	19	3	9	3	49	3	3	100
29	14MECH86	SAI ASHUPATHI RAJAN.C	21	3	9	3	47	3	3	100
30	14MECH87	SAI VIGNESH.T	19	3	10	3	47	3	3	100
31	14MECH88	SAILESH.N.M	16	2	10	3	51	3	3	89
32	14MECH89	SARAVANA KUMAR.M	18	3	9	3	47	3	3	100
33	14MECH90	SARAVANAN.C.M	16	2	9	3	53	3	3	89
34	14MECH91	SARAVANAN.M	17	2	8	3	41	2	2	78
35	14MECH92	SEKKAPPAN.S	17	2	9	3	52	3	3	89
36	14MECH93	SHANKAR RAJ.R	19	3	9	3	46	3	3	100
37	14MECH94	SIDDHARTH.S	17	2	10	3	39	2	2	78
38	14MECH95	SIVA PRABHU.P	20	3	10	3	49	3	3	100
39	14MECH96	SIVA PRAKASH S	19	3	9	3	42	2	3	89
40	14MECH97	SIVA.P	20	3	9	3	49	3	3	100
41	14MECH98	SOMA SUNDARAM.A.R	19	3	10	3	43	3	3	100
42	14MECH99	SRIRAM.P.S	18	3	10	3	46	3	3	100

43	14MECH101	SUHIRDHAN.T	17	2	9	3	48	3	3	89
44	14MECH102	SYLVERSTER JONES.G	18	3	9	3	51	3	3	100
45	14MECH103	THOMAS.M	16	2	9	3	40	2	2	78
46	14MECH104	UDHAYA BHARATHI.S	23	3	9	3	47	3	3	100
47	14MECH105	ULAGA RAMA PANDIAN.P	16	2	10	3	54	3	3	89
48	14MECH106	VIGNESH.M	18	3	10	3	46	3	3	100
49	14MECH107	VINODH KUMAR.P	12	1	10	3	39	2	2	67
50	14MECH108	YOGITH.G.P	18	3	10	3	50	3	3	100
51	14MECH109	JEYAKUMAR.V	18	3	10	3	48	3	3	100
52	14MECH110	RAJA RAJESWARI C	18	3	9	3	51	3	3	100
53	14MECH111	RAJ KUMAR K	16	2	9	3	51	3	3	89
54	14MECH112	SIVA KUMAR S	19	3	10	3	44	3	3	100
55	14MECH113	ABDUL HALIM.A	19	3	10	3	43	3	3	100
56	14MECH114	ARUN PRASATH.R	21	3	9	3	46	3	3	100
57	15LMEB01	AJITH RAJ. G	19	3	10	3	44	3	3	100
58	15LMEB02	BALARAMAN. R	20	3	8	3	51	3	3	100
59	15LMEB04	DHAMODHARAKANNAN. P	19	3	9	3	51	3	3	100
60	15LMEB05	DHINESH. G	19	3	10	3	52	3	3	100
61	15LMEB06	KATHIRESH. S	19	3	10	3	49	3	3	100
62	15LMEB08	VENKATESAN. M	19	3	10	3	41	2	3	89
63	15LMEB09	VIJAYSUNDAR. B	22	3	10	3	50	3	3	100
64	15LMEB10	BALAJI. S	21	3	9	3	52	3	3	100
Meeting the Target			56		60		53			
Percentage Attained			87.5		93.75		82.8125			
Individual Attainment			3		3		3			

Overall attainment of ME6402.3	3
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Target Levels	
UT	17
ASN.	9
CT	36

Attainment Levels	
60%	1
70%	2
80%	3

COURSE INCHARGE

COURSE CO-ORDINATOR

MODULE CO-ORDINATOR

PROGRAMME CO-ORDINATOR

Velammal College of Engineering and Technology, Madurai - 625009

Department of Mechanical Engineering

Course Outcome Attainment

Branch: B.E. Mech	Year/Section: III/B	Semester: 05
CO: ME6502.1	Course Code & Title: ME6502 & HEAT AND MASS TRANSFER	
Course Outcome Statement: Examine the Heat Exchanger parameters (K4)		

S.No	Student Reg./Roll No.	Student Name	UT-4(20)	UT-4	ASN. (10)	ASN.	CT-3 (40)	CT-3	Avg.	CO4 AVG
1	14MECH57	BALA MURUGAN.K	19	3	10	3	34	3	3	100
2	14MECH58	BALAJI.R.B	20	3	9	3	20	1	2	78
3	14MECH59	BENEDICT ROBIN DURALP	19	3	10	3	30	3	3	100
4	14MECH61	DINESH PAUL.S	17	3	10	3	46	3	3	100
5	14MECH62	DOMINIC PRABHU.J	22	3	10	3	37	3	3	100
6	14MECH63	ENBHARAJAR.P.M	19	3	9	3	40	3	3	100
7	14MECH64	HARESH KUMAR.M	15	3	9	3	41	3	3	100
8	14MECH65	JEFFREY AARON.X	19	3	10	3	45	3	3	100
9	14MECH66	JEROME CHRISTOFER.A	16	3	10	3	52	3	3	100
10	14MECH67	JOHNSON.M	16	3	8	3	33	3	3	100
11	14MECH68	KALIRAJAN.M	19	3	10	3	32	3	3	100
12	14MECH69	KARKUVEL RAJ.N	17	3	9	3	16	1	2	78
13	14MECH70	KATHIRESAN.M	12	1	10	3	45	3	2	78
14	14MECH71	KISHORE.R	18	3	8	3	30	3	3	100
15	14MECH72	KRISHNA KUMAR,M	17	3	8	3	47	3	3	100
16	14MECH73	KRISHNAN.S	19	3	10	3	31	3	3	100
17	14MECH74	MOHAMED ABUTHAHIR.S	20	3	9	3	32	3	3	100
18	14MECH75	MOHAMED HAYAS.J	18	3	10	3	52	3	3	100
19	14MECH76	MOHAN.R	17	3	8	3	53	3	3	100
20	14MECH77	MOHANA SUNDARAM.C	18	3	9	3	0	1	2	78
21	14MECH78	MUGILAN.M	19	3	10	3	53	3	3	100
22	14MECH79	NITHIN.B	15	3	9	3	0	1	2	78
23	14MECH80	POO MURUGAN.B	17	3	10	3	52	3	3	100
24	14MECH81	PUKAZH VANNAN.I	15	3	9	3	49	3	3	100
25	14MECH82	RAJESHWAR.R	24	3	9	3	52	3	3	100
26	14MECH83	RAJESHWARAN.N	21	3	9	3	46	3	3	100
27	14MECH84	RAM KUMAR.T	19	3	10	3	50	3	3	100
28	14MECH85	RANJITH KUMAR.B	18	3	8	3	49	3	3	100
29	14MECH86	SAI ASHUPATHI RAJAN.C	21	3	9	3	47	3	3	100
30	14MECH87	SAI VIGNESH.T	18	3	10	3	47	3	3	100
31	14MECH88	SAILESH.N.M	19	3	140	3	51	3	3	100
32	14MECH89	SARAVANA KUMAR.M	17	3	10	3	47	3	3	100
33	14MECH90	SARAVANAN.C.M	15	3	9	3	53	3	3	100
34	14MECH91	SARAVANAN.M	15	3	9	3	41	3	3	100
35	14MECH92	SEKKAPPAN.S	11	1	9	3	52	3	2	78
36	14MECH93	SHANKAR RAJ.R	15	3	10	3	46	3	3	100
37	14MECH94	SIDDHARTH.S	16	3	10	3	39	3	3	100
38	14MECH95	SIVA PRABHU.P	20	3	10	3	49	3	3	100
39	14MECH96	SIVA PRAKASH S	18	3	10	3	42	3	3	100
40	14MECH97	SIVA.P	20	3	8	3	49	3	3	100
41	14MECH98	SOMA SUNDARAM.A.R	21	3	10	3	43	3	3	100
42	14MECH99	SRIRAM.P.S	17	3	9	3	46	3	3	100

43	14MECH101	SUHIRDHAN.T	16	3	9	3	48	3	3	100
44	14MECH102	SYLVERSTER JONES.G	17	3	10	3	51	3	3	100
45	14MECH103	THOMAS.M	15	3	10	3	40	3	3	100
46	14MECH104	UDHAYA BHARATHI.S	24	3	10	3	47	3	3	100
47	14MECH105	ULAGA RAMA PANDIAN.P	14	2	9	3	54	3	3	89
48	14MECH106	VIGNESH.M	17	3	9	3	46	3	3	100
49	14MECH107	VINODH KUMAR.P	16	3	8	3	39	3	3	100
50	14MECH108	YOGITH.G.P	17	3	9	3	50	3	3	100
51	14MECH109	JEYAKUMAR.V	17	3	9	3	48	3	3	100
52	14MECH110	RAJA RAJESWARI C	19	3	9	3	51	3	3	100
53	14MECH111	RAJ KUMAR K	15	3	10	3	51	3	3	100
54	14MECH112	SIVA KUMAR S	19	3	10	3	44	3	3	100
55	14MECH113	ABDUL HALIM.A	19	3	9	3	43	3	3	100
56	14MECH114	ARUN PRASATH.R	21	3	8	3	46	3	3	100
57	15LMEB01	AJITH RAJ. G	19	3	9	3	44	3	3	100
58	15LMEB02	BALARAMAN. R	20	3	10	3	51	3	3	100
59	15LMEB04	DHAMODHARAKANNAN. P	18	3	9	3	51	3	3	100
60	15LMEB05	DHINESH. G	21	3	9	3	52	3	3	100
61	15LMEB06	KATHIRESH. S	18	3	10	3	49	3	3	100
62	15LMEB08	VENKATESAN. M	21	3	9	3	41	3	3	100
63	15LMEB09	VIJAYSUNDAR. B	24	3	10	3	50	3	3	100
64	15LMEB10	BALAJI. S	20	3	10	3	52	3	3	100

Meeting the Target	48		56		40	
Percentage Attained	75		87.5		62.5	
Individual Attainment	2		3		1	

Overall attainment of ME6402.4	2
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Target Levels	
UT	17
ASN.	9
CT	45

Attainment Levels	
60%	1
70%	2
80%	3

COURSE INCHARGE

COURSE CO-ORDINATOR

MODULE CO-ORDINATOR

PROGRAMME CO-ORDINATOR

Velammal College of Engineering and Technology, Madurai - 625009

Department of Mechanical Engineering

Course Outcome Attainment

Branch: B.E. Mech	Year/Section: III/B	Semester: 05
CO: ME6502.1	Course Code & Title: ME6502 & HEAT AND MASS TRANSFER	
Course Outcome Statement: Solve the problems on radiative Heat Transfer (K3)		

S.No	Student Reg./Roll No.	Student Name	UT-5 (25)	UT-5	ASN. (10)	ASN.	MODEL(60)	MODEL	AVG	CO5 AVG
1	14MECH57	BALA MURUGAN.K	18	3	10	3	30	1	2	78
2	14MECH58	BALAJI.R.B	19	3	10	3	14	1	2	78
3	14MECH59	BENEDICT ROBIN DURAI.P	19	3	9	3	31	1	2	78
4	14MECH61	DINESH PAUL.S	24	3	9	3	30	1	2	78
5	14MECH62	DOMINIC PRABHU.J	20	3	9	3	47	3	3	100
6	14MECH63	ENBHARAJAR.P.M	19	3	9	3	50	3	3	100
7	14MECH64	HARESH KUMAR.M	14	1	10	3	39	2	2	67
8	14MECH65	JEFFREY AARON.X	17	2	10	3	38	2	2	78
9	14MECH66	JEROME CHRISTOFER.A	15	1	10	3	53	3	2	78
10	14MECH67	JOHNSON.M	17	2	9	3	0	1	2	67
11	14MECH68	KALIRAJAN.M	19	3	9	3	40	2	3	89
12	14MECH69	KARKUVEL RAJ.N	15	1	9	3	22	1	2	56
13	14MECH70	KATHIRESAN.M	14	1	10	3	21	1	2	56
14	14MECH71	KISHORE.R	17	2	10	3	31	1	2	67
15	14MECH72	KRISHNA KUMAR.M	16	2	9	3	40	2	2	78
16	14MECH73	KRISHNAN.S	21	3	10	3	25	1	2	78
17	14MECH74	MOHAMED ABUTHAHIR.S	19	3	10	3	30	1	2	78
18	14MECH75	MOHAMED HAYAS.J	17	2	10	3	42	2	2	78
19	14MECH76	MOHAN.R	17	2	8	3	52	3	3	89
20	14MECH77	MOHANA SUNDARAM.C	17	2	9	3	38	2	2	78
21	14MECH78	MUGILAN.M	19	3	9	3	52	3	3	100
22	14MECH79	NITHIN.B	19	3	9	3	35	1	2	78
23	14MECH80	POO MURUGAN.B	14	1	9	3	38	2	2	67
24	14MECH81	PUKAZH VANNAN.I	14	1	8	3	44	3	2	78
25	14MECH82	RAJESHWAR.R	21	3	10	3	53	3	3	100
26	14MECH83	RAJESHWARAN.N	20	3	10	3	45	3	3	100
27	14MECH84	RAM KUMAR.T	18	3	9	3	51	3	3	100
28	14MECH85	RANJITH KUMAR.B	17	2	9	3	49	3	3	89
29	14MECH86	SAI ASHUPATHI RAJAN.C	20	3	9	3	46	3	3	100
30	14MECH87	SAI VIGNESH.T	17	2	10	3	44	3	3	89
31	14MECH88	SAILESH.N.M	12	1	10	3	46	3	2	78
32	14MECH89	SARAVANA KUMAR.M	19	3	9	3	55	3	3	100
33	14MECH90	SARAVANAN.C.M	14	1	9	3	50	3	2	78
34	14MECH91	SARAVANAN.M	16	2	8	3	35	1	2	67
35	14MECH92	SEKKAPPAN.S	15	1	9	3	44	3	2	78
36	14MECH93	SHANKAR RAJ.R	19	3	9	3	40	2	3	89
37	14MECH94	SIDDHARTH.S	15	1	10	3	30	1	2	56
38	14MECH95	SIVA PRABHU.P	21	3	10	3	46	3	3	100
39	14MECH96	SIVA PRAKASH S	17	2	9	3	40	2	2	78
40	14MECH97	SIVA.P	22	3	9	3	41	2	3	89
41	14MECH98	SOMA SUNDARAM.A.R	10	1	10	3	34	1	2	56
42	14MECH99	SRIRAM.P.S	15	1	10	3	43	3	2	78
43	14MECH101	SUHIRDHAN.T	16	2	9	3	42	2	2	78
44	14MECH102	SYLVERSTER JONES.G	17	2	9	3	47	3	3	89
45	14MECH103	THOMAS.M	19	3	9	3	38	2	3	89
46	14MECH104	UDHAYA BHARATHI.S	24	3	9	3	56	3	3	100
47	14MECH105	ULAGA RAMA PANDIAN.P	17	2	10	3	46	3	3	89
48	14MECH106	VIGNESH.M	14	1	10	3	46	3	2	78
49	14MECH107	VINODH KUMAR.P	19	3	10	3	42	2	3	89
50	14MECH108	YOGITH.G.P	14	1	10	3	47	3	2	78
51	14MECH109	JEYAKUMAR.V	16	2	10	3	37	2	2	78
52	14MECH110	RAJA RAJESWARI C	19	3	9	3	44	3	3	100

53	14MECH111	RAJ KUMAR K	14	1	9	3	45	3	2	78
54	14MECH112	SIVA KUMAR S	21	3	10	3	38	2	3	89
55	14MECH113	ABDUL HALIM.A	19	3	10	3	41	2	3	89
56	14MECH114	ARUN PRASATH.R	20	3	9	3	44	3	3	100
57	15LMEB01	AJITH RAJ. G	19	3	10	3	47	3	3	100
58	15LMEB02	BALARAMAN. R	19	3	8	3	56	3	3	100
59	15LMEB04	DHAMODHARAKANNAN. P	17	2	9	3	50	3	3	89
60	15LMEB05	DHINESH. G	20	3	10	3	55	3	3	100
61	15LMEB06	KATHIRESH. S	17	2	10	3	41	2	2	78
62	15LMEB08	VENKATESAN. M	20	3	10	3	40	2	3	89
63	15LMEB09	VIJAYSUNDAR. B	25	3	10	3	48	3	3	100
64	15LMEB10	BALAJI. S	19	3	9	3	54.6	3	3	100
Meeting the Target			62		60		41			
Percentage Attained			96.88		93.8		64.0625			
Individual Attainment			3		3		1			

Overall attainment of ME6402.4	2
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Target Levels	
UT	13
ASN.	15
MODEL	40

Attainment Levels	
60%	1
70%	2
80%	3

COURSE INCHARGE

COURSE CO-ORDINATOR

MODULE CO-ORDINATOR

PROGRAMME CO-ORDINATOR

VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY, MADURAI - 625 009

Department of Mechanical Engineering

CO-PO Attainment

Course Code-Title: ME 6502 - HEAT AND MASS TRANSFER

Class Strength: 64

Course Component: Core

Threshold: 70

BATCH: 2013-2017

Target: 70

SN O	ROLL NO	NAME OF THE STUDENT	Internal Assessment					University	
			CO1%	CO2%	CO3%	CO4%	CO5%	CO1-CO5	
1	14MECH57	BALA MURUGAN.K	70	77	72	65	65	E	50
2	14MECH58	BALAJI.R.B	83	73	66	75	75	B	80
3	14MECH59	BENEDICT ROBIN DURAI.P	70	73	65	80	80	D	60
4	14MECH61	DINESH PAUL.S	75	88	70	75	75	E	50
5	14MECH62	DOMINIC PRABHU.J	95	87	82	62	62	B	80
6	14MECH63	ENBHARAJAR.P.M	88	90	82	62	62	D	60
7	14MECH64	HARESH KUMAR.M	83	87	82	62	62	C	70
8	14MECH65	JEFFREY AARON.X	88	93	70	75	75	A	90
9	14MECH66	JEROME CHRISTOFER.A	93	83	77	62	62	B	80
10	14MECH67	JOHNSON.M	88	55	60	75	75	B	80
11	14MECH68	KALIRAJAN.M	90	90	65	62	62	C	70
12	14MECH69	KARKUVEL RAJ.N	68	80	88	75	75	C	70
13	14MECH70	KATHIRESAN.M	93	90	85	82	82	D	60
14	14MECH71	KISHORE.R	78	55	86	65	65	E	50
15	14MECH72	KRISHNA KUMAR,M	78	85	85	75	75	C	70
16	14MECH73	KRISHNAN.S	73	50	80	72	72	C	70
17	14MECH74	MOHAMED ABUTHAHIR.S	85	78	70	70	70	D	60
18	14MECH75	MOHAMED HAYAS.J	87	88	72	70	70	B	80
19	14MECH76	MOHAN.R	93	90	76	75	75	E	50
20	14MECH77	MOHANA SUNDARAM.C	92	87	70	78	0	B	80
21	14MECH78	MUGILAN.M	95	92	80	82	82	B	80
22	14MECH79	NITHIN.B	92	82	82	65	65	A	90
23	14MECH80	POO MURUGAN.B	80	78	88	75	75	C	70
24	14MECH81	PUKAZH VANNAN.I	80	88	75	72	72	C	70
25	14MECH82	RAJESHWAR.R	90	90	88	65	65	C	70
26	14MECH83	RAJESHWARAN.N	85	67	75	82	82	D	60
27	14MECH84	RAM KUMAR.T	92	90	70	82	82	C	70
28	14MECH85	RANJITH KUMAR.B	90	72	72	70	70	E	50
29	14MECH86	SAI ASHUPATHI RAJAN.C	92	90	70	72	72	C	70
30	14MECH87	SAI VIGNESH.T	88	80	60	72	72	C	70
31	14MECH88	SAILESH.N.M	97	93	65	70	70	B	80
32	14MECH89	SARAVANA KUMAR.M	80	80	62	72	72	C	70
33	14MECH90	SARAVANAN.C.M	82	83	60	72	72	D	60
34	14MECH91	SARAVANAN.M	92	83	62	80	80	C	70
35	14MECH92	SEKKAPPAN.S	92	70	63	82	82	C	70
36	14MECH93	SHANKAR RAJ.R	88	68	64	82	82	C	70
37	14MECH94	SIDDHARTH.S	77	70	60	84	84	C	70
38	14MECH95	SIVA PRABHU.P	73	78	60	88	88	D	60
39	14MECH96	SIVA PRAKASH S	85	83	60	82	82	D	60
40	14MECH97	SIVA.P	92	83	60	82	82	B	80
41	14MECH98	SOMA SUNDARAM.A.R	92	88	75	75	75	C	70
42	14MECH99	SRIRAM.P.S	83	87	72	76	76	U	0
43	14MECH101	SUHIRDHAN.T	88	87	76	65	65	B	80
44	14MECH102	SYLVERSTER JONES.G	95	88	78	65	65	U	0
45	14MECH103	THOMAS.M	87	77	77	62	62	D	60
46	14MECH104	UDHAYA BHARATHI.S	93	87	76	75	75	E	50
47	14MECH105	ULAGA RAMA PANDIAN.P	90	90	77	70	70	C	70
48	14MECH106	VIGNESH.M	93	87	85	85	85	D	60
49	14MECH107	VINODH KUMAR.P	92	80	83	82	82	B	80

50	14MECH108	YOGITH.G.P	85	90	82	85	85	B	80
51	14MECH109	JEYAKUMAR.V	75	67	77	82	82	B	80
52	14MECH110	RAJA RAJESWARI C	85	77	75	85	85	B	80
53	14MECH111	RAJ KUMAR K	92	90	70	86	86	A	90
54	14MECH112	SIVA KUMAR S	75	53	82	82	82	C	70
55	14MECH113	ABDUL HALIMA.A	82	87	82	82	82	C	70
56	14MECH114	ARUN PRASATH.R	88	67	85	82	82	B	80
57	15LMEB01	AJITH RAJ. G	72	50	85	75	75	E	50
58	15LMEB02	BALARAMAN. R	93	67	80	76	76	B	80
59	15LMEB04	DHAMODHARAKANNAN. P	87	87	82	72	72	E	50
60	15LMEB05	DHINESH. G	75	72	80	77	77	C	70
61	15LMEB06	KATHIRESH. S	67	63	70	72	72	E	50
62	15LMEB08	VENKATESAN. M	78	87	72	65	65	D	60
63	15LMEB09	VIJAYSUNDAR. B	87	63	70	68	68	B	80
64	15LMEB10	BALAJI. S	87	87	72	72	72	C	70

Direct Assessment-Internal	CO1	CO2	CO3	CO4	CO5
No.of.students reached threshold	61	52	49	50	48
% of students reached threshold	95.31	81.25	76.56	78.13	75.00
Direct Assessment-Internal (40%)	38.13	32.50	30.63	31.25	30.00

Direct Assessment-External	CO1-CO5
No.of.students reached threshold	42
% of students reached threshold	65.63
Direct Assessment-External (60%)	39.38

Direct Assessment	CO1	CO2	CO3	CO4	CO5
Direct Assessment [Int-40%,Ext-60%]	77.50	71.88	70.00	70.63	69.38
80% of Direct Assessment	62.00	57.50	56.00	56.50	55.50

Course Incharge

Module Coordinator

Program Co-ordinator

VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY, MADURAI

Department of Mechanical Engineering

COURSE EXIT SURVEY

Course Code-Title: ME 6502 - HEAT AND MASS TRANSFER

Course Component: Core

BATCH: 2013-2017

Degree/Year/Sem: B.E-Mech/III/V

Name of the Instructor: Mr. R.ELILV

S.No	Roll.No	Name of the Students	Q1	Q2	Q3	Q4	Q5
1	14MECH57	BALA MURUGAN.K	4	4	4	3	3
2	14MECH58	BALAJI.R.B	3	4	4	3	3
3	14MECH59	BENEDICT ROBIN DURAI.P	3	3	3	3	3
4	14MECH61	DINESH PAUL.S	4	4	4	4	4
5	14MECH62	DOMINIC PRABHU.J	3	3	3	3	2
6	14MECH63	ENBHARAJAR.P.M	4	3	4	3	3
7	14MECH64	HARESH KUMAR.M	3	3	3	4	4
8	14MECH65	JEFFREY AARON.X	3	3	3	3	4
9	14MECH66	JEROME CHRISTOFER.A	4	3	4	3	4
10	14MECH67	JOHNSON.M	3	3	3	3	2
11	14MECH68	KALIRAJAN.M	4	3	4	2	3
12	14MECH69	KARKUVEL RAJ.N	3	3	3	3	3
13	14MECH70	KATHIRESAN.M	4	4	4	3	4
14	14MECH71	KISHORE.R	3	4	3	4	3
15	14MECH72	KRISHNA KUMAR,M	3	3	3	3	2
16	14MECH73	KRISHNAN.S	4	4	4	4	3
17	14MECH74	MOHAMED ABUTHAHIR.S	3	3	3	3	2
18	14MECH75	MOHAMED HAYAS.J	4	4	4	4	4
19	14MECH76	MOHAN.R	3	3	3	3	3
20	14MECH77	MOHANA SUNDARAM.C	3	3	3	3	3
21	14MECH78	MUGILAN.M	3	4	3	4	3
22	14MECH79	NITHIN.B	4	4	4	3	3
23	14MECH80	POO MURUGAN.B	4	4	4	3	4
24	14MECH81	PUKAZH VANNAN.I	4	3	4	4	3
25	14MECH82	RAJESHWAR.R	2	2	3	3	4
26	14MECH83	RAJESHWARAN.N	4	4	3	3	3
27	14MECH84	RAM KUMAR.T	3	3	3	4	3
28	14MECH85	RANJITH KUMAR.B	4	3	4	3	3
29	14MECH86	SAI ASHUPATHI RAJAN.C	3	3	3	3	3
30	14MECH87	SAI VIGNESH.T	3	3	4	3	4
31	14MECH88	SAILESH.N.M	4	3	4	3	4
32	14MECH89	SARAVANA KUMAR.M	4	3	4	3	4
33	14MECH90	SARAVANAN.C.M	4	4	4	4	4
34	14MECH91	SARAVANAN.M	3	3	3	3	3
35	14MECH92	SEKKAPPAN.S	3	3	3	3	3
36	14MECH93	SHANKAR RAJ.R	3	3	3	3	3
37	14MECH94	SIDDHARTH.S	4	4	4	4	4
38	14MECH95	SIVA PRABHU.P	3	3	2	2	3
39	14MECH96	SIVA PRAKASH S	3	3	2	1	2
40	14MECH97	SIVA.P	2	3	4	3	2
41	14MECH98	SOMA SUNDARAM.A.R	3	3	4	2	3

42	14MECH99	SRIRAM.P.S	4	3	4	3	3
43	14MECH101	SUHIRDHAN.T	3	3	3	4	3
44	14MECH102	SYLVERSTER JONES.G	4	4	3	4	4
45	14MECH103	THOMAS.M	4	4	3	4	4
46	14MECH104	UDHAYA BHARATHI.S	4	4	3	4	3
47	14MECH105	ULAGA RAMA PANDIAN.P	3	3	3	3	3
48	14MECH106	VIGNESH.M	3	3	2	3	3
49	14MECH107	VINODH KUMAR.P	4	4	4	4	4
50	14MECH108	YOGITH.G.P	3	3	4	3	3
51	14MECH109	JEYAKUMAR.V	4	4	4	4	4
52	14MECH110	RAJA RAJESWARI C	3	3	3	3	3
53	14MECH111	RAJ KUMAR K	3	3	3	3	3
54	14MECH112	SIVA KUMAR S	4	4	4	4	4
55	14MECH113	ABDUL HALIM.A	3	4	4	3	3
56	14MECH114	ARUN PRASATH.R	3	3	2	3	3
57	15LMEB01	AJITH RAJ. G	4	4	4	4	4
58	15LMEB02	BALARAMAN. R	3	4	4	3	4
59	15LMEB04	DHAMODHARAKANNAN. P	4	4	3	4	4
60	15LMEB05	DHINESH. G	4	3	3	4	3
61	15LMEB06	KATHIRESH. S	4	3	4	3	3
62	15LMEB08	VENKATESAN. M	3	3	3	4	4
63	15LMEB09	VIJAYSUNDAR. B	3	3	3	4	4
64	15LMEB10	BALAJI. S	4	4	4	4	4

Average	3.42	3.36	3.41	3.28	3.28
Indirect Assessment (100%)	85.5	84	85.25	82	82
Indirect Assessment (20%)	17.1	16.8	17.05	16.4	16.4

VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY, MADURAI - 625 009
DEPARTMENT OF MECHANICAL ENGINEERING
CO-PO Attainment

Course C Course Code-Title: ME 6502 - HEAT AND MASS TRANSFER
Course C Course Component: Core
BATCH: BATCH: 2013-2017

Degree/Year/Sem: B.E-Mech/III/V
Name of the Instructor: Mr. RELILVANAN

Course Outcomes	CO1	CO2	CO3	CO4	CO5
Direct Assessment (80%)	62.00	57.50	56.00	56.50	55.50
Indirect Assessments (20%)	17.10	16.80	17.05	16.40	16.4
CO Attainment (100%)	79.1	74.3	73.05	72.9	71.9
Attainment Level	2	2	2	2	3
Course Outcome Attainment	2.2				

Attainment Level	Target Achieved
3	80
2	70
1	60
0	Below Level

3
3
3
3
3
3

Outcomes		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
	Bloom's Level	K3	K4	K5	K5	K6	K2	K2	K2/A2	K2/A2	K2/A2	K2	K2/A2
CO1	K3	3	2	1	1	-	-	-	-	-	-	-	-
CO2	K3	3	2	1	1	-	-	-	-	-	-	-	-
CO3	K2	2	2	1	1	-	-	-	-	-	-	-	-
CO4	K4	3	2	2	1	-	-	-	-	-	-	-	-
CO5	K3	3	2	1	1	-	-	-	-	-	-	-	-

Outcomes		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
	Bloom's Level	K3	K4	K5	K5	K6	K2	K2	K2/A2	K2/A2	K2/A2	K2	K2/A2
CO1	K3	3	2	1	1	#VALUE!	#VALUE!	#VALUE!	#####	#####	#####	#####	#####
CO2	K3	3	2	1	1	#VALUE!	#VALUE!	#VALUE!	#####	#####	#####	#####	#####
CO3	K2	2	2	1	1	#VALUE!	#VALUE!	#VALUE!	#####	#####	#####	#####	#####
CO4	K4	3	2	2	1	#VALUE!	#VALUE!	#VALUE!	#####	#####	#####	#####	#####
CO5	K3	3	2	1	1	#VALUE!	#VALUE!	#VALUE!	#####	#####	#####	#####	#####
	Average	2.8	2	1.2	1	#VALUE!	#VALUE!	#VALUE!	#####	#####	#####	#####	#####
	Attainment Level	2	2	1	1	#VALUE!	#VALUE!	#VALUE!	#####	#####	#####	#####	#####

Course Incharge

Module Coordinator

Program Co-ordinator

VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY, MADURAI - 625 009
DEPARTMENT OF MECHANICAL ENGINEERING
CO-PSO Attainment

Course Code-Title: ME 6502 - HEAT AND MASS TRANSFER
Course Component: Core
BATCH: 2013-2017

Degree/Year/Sem: B.E-Mech/III/V
Name of the Instructor: Mr. R.ELILVANAN

Course Outcomes	CO1	CO2	CO3	CO4	CO5	Attainment Level	Target Achieved	
Direct Assessment (80%)	62.00	57.50	56.00	56.50	55.50	3	80	
Indirect Assessments (20%)	17.10	16.80	17.05	16.40	16.40	2	70	
CO Attainment (100%)	79.1	74.3	73.05	72.9	71.9	1	60	
Attainment Level	2	2	2	2	3	0	Below Level	
Course Outcome Attainment	2.2							

Outcomes		PSO1	PSO2
	Bloom's Level	K3	K4
CO1	K3	2	1
CO2	K3	2	1
CO3	K2	2	1
CO4	K4	3	2
CO5	K3	2	1

Outcomes		PO1	PO2
	Bloom's Level	K3	K4
CO1	K3	52.73	26.37
CO2	K3	49.53	24.77
CO3	K2	48.7	24.35
CO4	K4	72.9	48.6
CO5	K3	47.93	23.97
	Average	54.36	29.61
	Attainment Level	0	0

Course Incharge

Module Coordinator

Program Co-ordinator