



EXCEL ENGINEERING COLLEGE (Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NBA (AERO, CSE, ECE & MECH), NAAC with "A" and Recognised by UGC (2f & 12B)

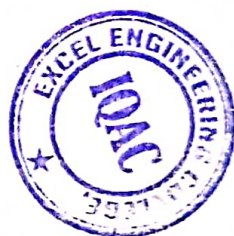
KOMARAPALAYAM – 637303
Department of Mechanical Engineering
B.E. Mechanical Engineering

BATCH 2019 – 23
CO ATTAINMENT

Course code / Course Name	CO 1	CO 2	CO 3	CO 4	CO 5	CO Average
SEMESTER I						
C101 / Mathematics - I for Mechanical Sciences	1.72	1.72	1.72	1.72	1.72	1.72
C102 / Basics of Electrical and Electronics Engineering	2.40	2.40	2.40	2.40	2.40	2.40
C103 / Fundamentals of Mechanical Engineering	2.40	2.40	2.40	2.40	2.40	2.40
C104 / Communicative English	1.72	1.72	1.72	1.72	1.72	1.72
C105 / Chemistry for Mechanical Sciences	1.72	1.72	1.72	1.72	1.72	1.72
C106 / Engineering Graphics	3.00	3.00	3.00	3.00	3.00	3.00
C107 / Induction Programme	3.00	3.00	3.00	3.00	3.00	3.00
SEMESTER II						
C108 / Mathematics-II for Mechanical Sciences	1.72	1.72	1.72	1.72	1.72	1.72
C109 / Engineering Mechanics	3.00	3.00	3.00	3.00	3.00	3.00
C110 / Physics for Mechanical sciences	3.00	3.00	3.00	3.00	3.00	3.00
C111 / Problem Solving Using Python	2.40	2.40	2.40	2.40	2.40	2.40
C112 / Mechanical Engineering Practices Laboratory	3.00	3.00	3.00	3.00	3.00	3.00
C113 / Environmental Sciences	3.00	3.00	3.00	3.00	3.00	3.00
C114 / Advanced Communicative English	3.00	3.00	3.00	3.00	3.00	3.00
SEMESTER III						
C201 / Transforms and Boundary Value Problems	1.72	1.72	1.72	1.72	1.72	1.72
C202 / Engineering Thermodynamics	2.40	2.40	2.40	2.40	2.40	2.40
C203 / Engineering Materials and Metallurgy	3.00	3.00	3.00	3.00	3.00	3.00
C204 / Fluid Mechanics and Machinery	2.40	2.40	2.40	2.40	2.40	2.40
C205 / Kinematics of Machinery	2.40	2.40	2.40	2.40	2.40	2.40
C206 / Manufacturing Technology - I	3.00	3.00	3.00	3.00	3.00	3.00
C207 / Computer Aided Machine Drawing Laboratory	3.00	3.00	3.00	3.00	3.00	3.00
C208 / Fluid Mechanics and Strength of Materials Laboratory	3.00	3.00	3.00	3.00	3.00	3.00
C209 / Interpersonal Skills	3.00	3.00	3.00	3.00	3.00	3.00
SEMESTER IV						
C210 / Numerical Analysis And Statistics	2.40	2.40	2.40	2.40	2.40	2.40
C211 / Strength of Materials	3.00	3.00	3.00	3.00	3.00	3.00
C212 / Thermal Engineering	3.00	3.00	3.00	3.00	3.00	3.00
C213 / Manufacturing Technology – II	3.00	3.00	3.00	3.00	3.00	3.00
C214 / Engineering Metrology	3.00	3.00	3.00	3.00	3.00	3.00
C215 / Electrical Drives and Microprocessor	3.00	3.00	3.00	3.00	3.00	3.00

C216 / Thermal Engineering Laboratory-I	3.00	3.00	3.00	3.00	3.00	3.00
C217 / Manufacturing Technology Laboratory	3.00	3.00	3.00	3.00	3.00	3.00
C218 / Soft Skills	3.00	3.00	3.00	3.00	3.00	3.00
SEMESTER V						
C301 / Design of Machine Elements	2.40	2.40	2.40	2.40	2.40	2.40
C302 / Heat and Mass Transfer	2.40	2.40	2.40	2.40	2.40	2.40
C303 / Computer Aided Manufacturing	3.00	3.00	3.00	3.00	3.00	3.00
C304 / Dynamics of Machinery	2.40	2.40	2.40	2.40	2.40	2.40
C305 / Heat Transfer Laboratory	3.00	3.00	3.00	3.00	3.00	3.00
C306 / Computer Aided Manufacturing Laboratory	3.00	3.00	3.00	3.00	3.00	3.00
C307 / Automobile Engineering	3.00	3.00	3.00	3.00	3.00	3.00
C308 / Environment and Agriculture	3.00	3.00	3.00	3.00	3.00	3.00
SEMESTER VI						
C309 / Design of Transmission System	2.40	2.40	2.40	2.40	2.40	2.40
C310 / Finite Element Analysis	2.40	2.40	2.40	2.40	2.40	2.40
C311 / Mechatronics Engineering	3.00	3.00	3.00	3.00	3.00	3.00
C312 / Power Plant Engineering	3.00	3.00	3.00	3.00	3.00	3.00
C313 / Automobile Aerodynamics	3.00	3.00	3.00	3.00	3.00	3.00
C314 / Internship	3.00	3.00	3.00	3.00	3.00	3.00
C315 / Modelling Laboratory	3.00	3.00	3.00	3.00	3.00	3.00
C316 / Mini Project	3.00	3.00	3.00	3.00	3.00	3.00
SEMESTER VII						
C401 / Power Plant Engineering	3.00	3.00	3.00	3.00	3.00	3.00
C402 / Process Planning and Cost Estimation	3.00	3.00	3.00	3.00	3.00	3.00
C403 / Mechatronics	3.00	3.00	3.00	3.00	3.00	3.00
C404 / Robotics	3.00	3.00	3.00	3.00	3.00	3.00
C405 / Unconventional Machining Processes	3.00	3.00	3.00	3.00	3.00	3.00
C406 / Non-Destructive Testing and Evaluation	3.00	3.00	3.00	3.00	3.00	3.00
C407 / Mechatronics Laboratory	3.00	3.00	3.00	3.00	3.00	3.00
C408 / Simulation and Analysis Laboratory	3.00	3.00	3.00	3.00	3.00	3.00
C409 / Project Work Phase - I	3.00	3.00	3.00	3.00	3.00	3.00
SEMESTER VIII						
C410 / Principles of Management	3.00	3.00	3.00	3.00	3.00	3.00
C411 / Entrepreneurship Development	3.00	3.00	3.00	3.00	3.00	3.00
C412 / Professional Ethics in Engineering	3.00	3.00	3.00	3.00	3.00	3.00
C413 / Project Work Phase - II	3.00	3.00	3.00	3.00	3.00	3.00

Venkat
(Dr. M. Venkatesan)



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HOD / MECH



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KOMARAPALAYAM – 637303

Department of Mechanical Engineering
B.E. Mechanical Engineering

Batch 2019-23

CO – PO Attainment Target

Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
SEMESTER I															
C101	2.80	2.80	2.00	-	-	-	-	-	-	-	-	-	-	2.00	-
C102	3.00	3.00	2.00	-	-	-	-	-	-	-	-	-	3.00	1.00	-
C103	3.00	3.00	2.00	-	-	-	-	-	-	-	-	-	1.00	-	-
C104	3.00	2.00	-	-	-	-	-	-	-	-	-	-	-	-	-
C105	3.00	2.00	-	-	-	-	-	-	-	-	-	1.00	2.00	-	-
C106	-	-	-	-	-	2.00	1.00	2.00	-	-	-	3.00	2.00	-	-
C107	-	-	-	-	-	-	1.00	-	-	3.00	2.00	2.00	2.00	-	-
SEMESTER II															
C108	2.60	2.60	1.60	-	-	-	-	-	-	-	-	-	-	1.80	-
C109	3.00	2.00	-	1.00	-	-	-	-	-	-	-	-	3.00	-	-
C110	3.00	1.00	1.00	-	-	-	-	-	-	-	-	-	-	-	-
C111	3.00	2.00	1.60	-	-	-	-	-	-	-	-	-	3.00	1.00	-
C112	-	-	3.00	-	-	-	-	-	-	-	-	2.20	1.00	-	-
C113	-	-	-	-	-	-	3.00	-	-	-	-	3.00	-	-	-
C114	-	-	-	-	-	-	1.00	-	-	3.00	2.00	2.00	2.00	-	-
SEMESTER III															
C201	3.00	2.40	1.80	-	-	-	-	-	-	-	-	1.00	1.80	-	-
C202	2.60	2.40	-	1.00	-	-	-	-	-	-	-	-	1.00	3.00	-
C203	2.00	3.00	2.00	-	-	-	-	-	-	-	-	-	2.00	2.00	-
C204	3.00	2.00	2.80	-	-	-	-	-	-	-	-	-	1.00	2.00	-
C205	2.00	3.00	-	2.00	2.00	-	-	-	-	-	-	-	1.00	2.00	-
C206	3.00	3.00	2.00	-	-	-	-	-	-	-	-	-	1.00	2.00	-

Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C207	2.00	3.00	2.00	-	-	-	-	-	1.00	1.00	-	1.00	1.00	3.00	-
C208	1.00	2.00	-	3.00	-	-	-	-	-	-	-	1.00	1.00	2.00	-
C209	3.00	3.00	3.00	-	-	-	-	-	-	-	-	-	1.00	3.00	-
SEMESTER IV															
C210	2.80	2.60	1.80	-	-	-	-	-	-	-	-	1.00	1.60	-	-
C211	3.00	3.00	3.00	1.00	-	-	-	-	-	-	-	-	2.00	1.00	-
C212	3.00	3.00	2.00	-	-	-	-	-	-	-	-	-	2.00	3.00	-
C213	2.00	3.00	1.00	-	-	-	-	-	-	-	-	-	1.00	3.00	-
C214	3.00	-	-	2.00	-	-	-	-	-	-	-	1.00	1.00	3.00	-
C215	3.00	2.00	1.00	-	-	-	-	-	1.00	1.00	-	1.00	2.00	-	-
C216	3.00	2.00	1.00	-	-	-	-	-	1.00	1.00	-	1.00	1.00	3.00	-
C217	3.00	2.00	1.00	-	2.00	-	-	-	1.00	1.00	-	1.00	1.00	3.00	-
C218	-	-	-	-	-	-	-	1.00	2.00	3.00	-	2.00	-	-	-
SEMESTER V															
C301	3.00	2.00	3.00	-	-	-	-	-	-	-	-	3.00	3.00	-	-
C302	1.80	2.40	1.40	-	-	-	-	-	-	-	-	-	-	3.00	-
C303	3.00	2.00	-	-	2.00	-	-	-	-	-	-	2.00	-	3.00	-
C304	3.00	3.00	3.00	3.00	3.00	-	-	-	-	-	-	2.00	3.00	3.00	-
C305	1.60	3.00	2.00	-	-	-	-	2.00	1.00	2.00	-	2.00	2.00	2.00	-
C306	3.00	3.00	3.00	3.00	3.00	-	-	-	-	-	-	3.00	3.00	3.00	-
C307	3.00	2.00	-	-	3.00	-	-	-	-	-	-	2.00	-	3.00	-
C308	3.00	3.00	-	-	-	-	-	3.00	-	-	-	3.00	3.00	2.00	-
SEMESTER VI															
C309	3.00	2.00	3.00	-	-	-	-	-	-	-	-	3.00	3.00	-	-
C310	2.80	3.00	2.00	2.00	2.20	-	-	-	-	-	2.00	-	3.00	3.00	-
C311	3.00	3.00	3.00	-	3.00	-	-	-	-	-	-	2.00	3.00	3.00	-
C312	3.00	3.00	3.00	3.00	3.00	-	-	-	-	-	-	3.00	3.00	3.00	-
C313	3.00	3.00	1.00	-	1.60	-	1.00	1.40	2.00	2.00	2.00	1.00	3.00	3.00	-
C314	3.00	3.00	3.00	3.00	3.00	-	-	-	3.00	3.00	2.00	1.00	3.00	2.00	-
C315	3.00	3.00	3.00	3.00	3.00	-	-	-	-	-	-	3.00	3.00	3.00	-
C316	3.00	3.00	1.00	-	1.60	1.00	-	1.40	2.00	2.00	2.00	1.00	3.00	3.00	-

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SEMESTER VII															
C401	2.20	1.80	-	-	-	-	-	1.60	-	-	-	-	3.00	-	-
C402	3.00	3.00	-	-	1.00	2.00	-	3.00	2.00	2.00	3.00	2.00	-	1.00	-
C403	3.00	3.00	3.00	-	3.00	-	-	-	-	-	-	3.00	3.00	3.00	-
C404	3.00	-	-	-	3.00	-	-	-	-	-	-	2.00	-	2.00	-
C405	3.00	2.00	-	-	3.00	-	-	-	-	-	-	2.00	-	3.00	-
C406	3.00	2.00	-	-	3.00	-	-	-	-	-	-	2.00	-	3.00	-
C407	3.00	3.00	3.00	-	3.00	-	-	-	-	-	-	3.00	3.00	3.00	-
C408	3.00	3.00	3.00	3.00	3.00	-	-	-	-	-	-	3.00	3.00	3.00	-
C409	3.00	3.00	3.00	3.00	3.00	-	-	-	-	-	-	3.00	3.00	3.00	-
SEMESTER VIII															
C410	3.00	-	2.00	-	2.00	-	-	2.00	2.00	3.00	-	2.00	-	3.00	-
C411	2.80	-	2.00	-	2.00	-	-	2.00	2.00	3.00	-	2.00	-	3.00	-
C412	2.80	-	2.00	-	2.00	-	-	2.00	2.00	3.00	-	2.00	-	3.00	-
C413	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	-
Direct Attainment 100%	2.90	2.90	2.50	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.50	-
Direct Attainment 80%	2.32	2.32	2.00	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.00	-
Indirect Attainment 100%	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	-
Indirect Attainment 20%	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	-
Total Attainment 100%	2.92	2.92	2.60	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.60	-

Venkatesh
(Dr. M. Venkatesh)



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SEMESTER I															
C101	1.70	1.70	1.00	-	-	-	-	-	-	-	-	-	-	1.70	-
C102	3.00	3.00	2.00	-	-	-	-	-	-	-	-	-	2.20	0.90	-
C103	3.00	3.00	1.70	-	-	-	-	-	-	-	-	-	0.90	-	-
C104	2.90	2.00	-	-	-	-	-	-	-	-	-	-	-	-	-
C105	3.00	1.90	-	-	-	-	-	-	-	-	-	1.00	2.00	-	-
C106	-	-	-	-	-	1.90	1.00	2.00	-	-	-	2.90	1.90	-	-
C107	-	-	-	-	-	-	1.00	-	-	3.00	2.00	2.00	1.90	-	-
SEMESTER II															
C108	2.50	2.50	1.60	-	-	-	-	-	-	-	-	-	-	1.80	-
C109	2.90	2.00	-	1.00	-	-	-	-	-	-	-	-	2.90	-	-
C110	3.00	1.00	1.00	-	-	-	-	-	-	-	-	-	-	-	-
C111	2.88	2.00	1.60	-	-	-	-	-	-	-	-	-	3.00	1.00	-
C112	-	-	2.90	-	-	-	-	-	-	-	-	2.20	1.00	-	-
C113	-	-	-	-	-	-	2.80	-	-	-	-	2.90	-	-	-
C114	-	-	-	-	-	-	1.00	-	-	2.50	2.00	1.80	1.95	-	-
SEMESTER III															
C201	2.99	2.40	1.80	-	-	-	-	-	-	-	-	1.00	1.80	-	-
C202	2.60	2.40	-	1.00	-	-	-	-	-	-	-	-	1.00	3.00	-
C203	2.00	3.00	2.00	-	-	-	-	-	-	-	-	-	1.99	2.00	-
C204	2.99	2.00	2.80	-	-	-	-	-	-	-	-	-	1.00	2.00	-
C205	2.00	3.00	-	2.00	2.00	-	-	-	-	-	-	-	1.00	2.00	-
C206	2.95	3.00	2.00	-	-	-	-	-	-	-	-	-	1.00	2.00	-
C207	2.00	3.00	2.00	-	-	-	-	-	1.00	1.00	-	1.00	1.00	3.00	-

Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C208	1.00	2.00	-	3.00	-	-	-	-	-	-	-	1.00	1.00	2.00	-
C209	3.00	3.00	3.00	-	-	-	-	-	-	-	-	-	1.00	3.00	-
SEMESTER IV															
C210	2.80	2.60	1.80	-	-	-	-	-	-	-	-	1.00	1.60	-	-
C211	2.96	2.96	3.00	1.00	-	-	-	-	-	-	-	-	2.00	1.00	-
C212	3.00	2.95	2.00	-	-	-	-	-	-	-	-	-	2.00	2.95	-
C213	2.00	3.00	1.00	-	-	-	-	-	-	-	-	-	1.00	2.95	-
C214	3.00	-	-	2.00	-	-	-	-	-	-	-	1.00	1.00	2.95	-
C215	2.95	2.00	1.00	-	-	-	-	-	1.00	1.00	-	1.00	2.00	-	-
C216	3.00	2.00	1.00	-	-	-	-	-	1.00	1.00	-	1.00	1.00	3.00	-
C217	3.00	2.00	1.00	-	2.00	-	-	-	1.00	1.00	-	1.00	1.00	3.00	-
C218	-	-	-	-	-	-	-	1.00	2.00	3.00	-	2.00	-	-	-
SEMESTER V															
C301	2.98	2.00	3.00	-	-	-	-	-	-	-	-	2.95	2.95	-	-
C302	1.80	2.40	1.40	-	-	-	-	-	-	-	-	-	-	2.75	-
C303	3.00	2.00	-	-	2.00	-	-	-	-	-	-	2.00	-	3.00	-
C304	3.00	3.00	3.00	3.00	3.00	-	-	-	-	-	-	2.00	3.00	2.75	-
C305	1.60	3.00	2.00	-	-	-	-	2.00	1.00	2.00	-	2.00	2.00	2.00	-
C306	2.90	3.00	2.95	2.95	2.95	-	-	-	-	-	-	3.00	3.00	3.00	-
C307	3.00	2.00	-	-	2.50	-	-	-	-	-	-	2.00	-	3.00	-
C308	3.00	3.00	-	-	-	-	-	3.00	-	-	-	3.00	2.50	2.00	-
SEMESTER VI															
C309	2.99	2.00	2.95	-	-	-	-	-	-	-	-	2.96	2.96	-	-
C310	2.80	3.00	2.00	2.00	2.20	-	-	-	-	-	2.00	-	2.70	3.00	-
C311	3.00	3.00	3.00	-	2.50	-	-	-	-	-	-	2.00	2.70	2.98	-
C312	3.00	3.00	3.00	3.00	2.50	-	-	-	-	-	-	3.00	2.50	2.98	-
C313	3.00	3.00	1.00	-	1.60	-	1.00	1.40	2.00	2.00	2.00	1.00	2.50	3.00	-
C314	3.00	3.00	2.95	2.95	3.00	-	-	-	3.00	3.00	2.00	1.00	2.50	2.00	-
C315	3.00	3.00	3.00	3.00	3.00	-	-	-	-	-	-	3.00	2.95	3.00	-
C316	3.00	3.00	1.00	-	1.60	1.00	-	1.40	2.00	2.00	2.00	1.00	2.95	3.00	-

Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
SEMESTER VII															
C401	2.20	1.80	-	-	-	-	-	1.60	-	-	-	-	2.90	-	-
C402	2.98	3.00	-	-	1.00	2.00	-	3.00	2.00	2.00	3.00	2.00	-	1.00	-
C403	2.98	3.00	3.00	-	2.50	-	-	-	-	-	-	3.00	2.50	3.00	-
C404	3.00	-	-	-	2.50	-	-	-	-	-	-	2.00	-	2.00	-
C405	3.00	2.96	-	-	2.50	-	-	-	-	-	-	2.00	-	3.00	-
C406	3.00	2.00	-	-	2.94	-	-	-	-	-	-	2.00	-	3.00	-
C407	3.00	2.95	2.95	-	2.94	-	-	-	-	-	-	3.00	3.00	3.00	-
C408	3.00	3.00	3.00	3.00	3.00	-	-	-	-	-	-	3.00	3.00	3.00	-
C409	3.00	3.00	3.00	3.00	3.00	-	-	-	-	-	-	3.00	3.00	3.00	-
SEMESTER VIII															
C410	3.00	-	2.00	-	2.00	-	-	2.00	2.00	3.00	-	2.00	-	3.00	-
C411	2.80	-	2.00	-	2.00	-	-	2.00	2.00	3.00	-	2.00	-	3.00	-
C412	2.80	-	2.00	-	2.00	-	-	2.00	2.00	3.00	-	2.00	-	3.00	-
C413	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	-
Direct Attainment 100%	2.35	2.35	2.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.35	-
Direct Attainment 80%	1.88	1.88	1.60	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	1.88	-
Indirect Attainment 100%	2.30	2.30	1.90	2.20	2.00	2.00	1.00	2.00	1.90	2.20	2.00	2.20	2.60	2.10	-
Indirect Attainment 20%	0.46	0.46	0.38	0.44	0.40	0.40	0.20	0.40	0.38	0.44	0.40	0.44	0.52	0.42	-
Total Attainment 100%	2.34	2.34	1.98	2.84	2.80	2.80	2.60	2.80	2.78	2.84	2.80	2.84	2.92	2.50	-

Venkatesh
(Dr. M. Venkatesh)



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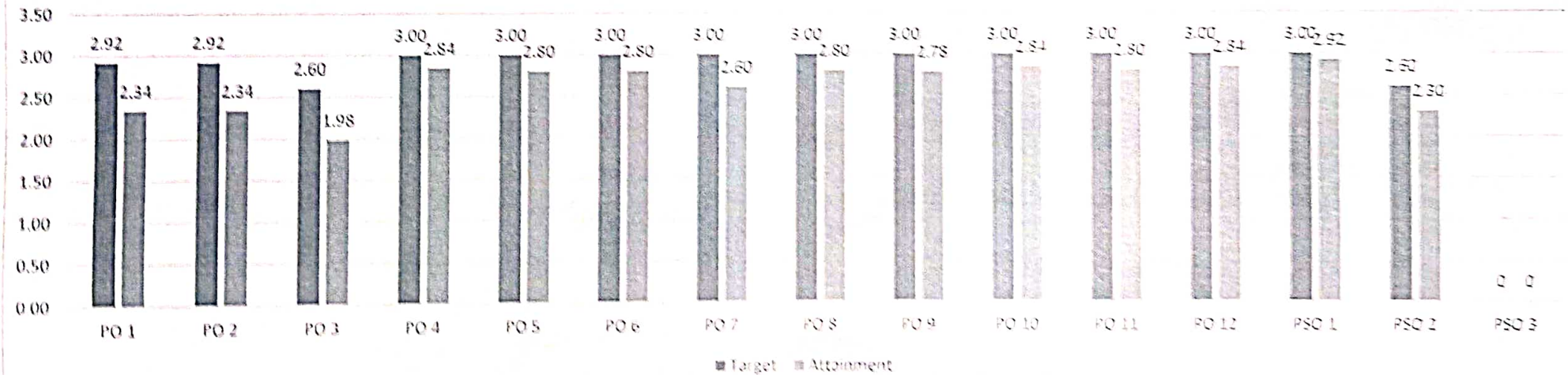
Department of Mechanical Engineering
B.E. Mechanical Engineering

BATCH 2019 – 23

Target & Attainment Graph

PO POS	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
Target	2.92	2.92	2.60	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.60	-
Attainment	2.34	2.34	1.98	2.84	2.80	2.80	2.60	2.80	2.78	2.84	2.80	2.84	2.92	2.30	-

Target & Attainment Graph (Batch 2019-23)



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Department of Mechanical Engineering

M.E. Thermal Engineering

Batch 2021-23

CO ATTAINMENT

Course code/course Name	CO 1	CO 2	CO 3	CO 4	CO 5	CO Average
SEMESTER I						
C101 / Advanced Numerical Methods	3.00	3.00	3.00	3.00	3.00	3.00
C102 / Advanced Heat Transfer	3.00	3.00	3.00	3.00	3.00	3.00
C103 / Advanced Thermodynamics	3.00	3.00	3.00	3.00	3.00	3.00
C104 / Advanced Fluid Mechanics	3.00	3.00	3.00	3.00	3.00	3.00
C105 / Energy Resources	3.00	3.00	3.00	3.00	3.00	3.00
C106 / Advanced Internal Combustion Engines	3.00	3.00	3.00	3.00	3.00	3.00
C107 / Thermal Engineering Laboratory	3.00	3.00	3.00	3.00	3.00	3.00
SEMESTER II						
C108 / Instrumentation for Thermal Engineering	3.00	3.00	3.00	3.00	3.00	3.00
C109 / Fuels and Combustion	3.00	3.00	3.00	3.00	3.00	3.00
C110 / Environmental Engineering and Pollution Control	3.00	3.00	3.00	3.00	3.00	3.00
C111 / Design and Optimization of Thermal Energy Systems	3.00	3.00	3.00	3.00	3.00	3.00
C112 / Materials Testing and Characterization Techniques	3.00	3.00	3.00	3.00	3.00	3.00
C113 / Alternative Fuels for IC Engines	3.00	3.00	3.00	3.00	3.00	3.00
C114 / Thermal Systems Simulation Laboratory	3.00	3.00	3.00	3.00	3.00	3.00
C115 / Technical Seminar	3.00	3.00	3.00	3.00	3.00	3.00
SEMESTER III						
C201 / Research Methodology and Intellectual Property Rights	3.00	3.00	3.00	3.00	3.00	3.00
C202 / Advanced Power Plant Engineering	3.00	3.00	3.00	3.00	3.00	3.00
C203 / Cogeneration and Waste Heat Recovery Systems	3.00	3.00	3.00	3.00	3.00	3.00
C204 / Project Work Phase - I	3.00	3.00	3.00	3.00	3.00	3.00
SEMESTER IV						
C205 / Project Work Phase - II	3.00	3.00	3.00	3.00	3.00	3.00

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KOMARAPALAYAM – 637303

**Department of Mechanical Engineering
M.E. Thermal Engineering**

**Batch 2021-23
CO – PO Attainment Target**

Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
SEMESTER I															
C101	3.00	2.00	1.00										3.00	2.00	
C102	3.00	3.00	2.00	1.00									3.00	2.00	
C103	3.00	3.00	2.00	1.00									3.00	2.00	
C104	3.00	2.00	1.00										3.00	2.00	
C105	3.00		3.00		3.00	3.00		3.00	3.00	3.00	2.00		3.00	3.00	
C106	3.00			2.00				3.00				3.00	3.00	3.00	
C107	3.00	2.00	2.00				1.00						3.00	2.00	
SEMESTER II															
C108	3.00	2.00	1.00										3.00	2.00	
C109	3.00	2.00	1.00										3.00	2.00	
C110	3.00	2.00				1.00	1.00							2.00	
C111	3.00	2.00	1.00										3.00	2.00	
C112	1.00		3.00		2.00		1.00		3.00	3.00		1.00	3.00	3.00	
C113						3.00	2.00	3.00	2.00	3.00	2.00	2.00			
C114	3.00	3.00						2.00	2.00	2.00			3.00	1.00	
C115	3.00					2.00	1.00						3.00	1.00	
SEMESTER III															
C201	3.00	3.00			3.00	3.00		2.00						2.00	
C202	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.00	3.00	
C203	3.00	2.00	1.00			2.00	1.00						1.00	2.00	
C204	3.00	2.00	1.00										1.00	2.00	
SEMESTER IV															
C205	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.00	3.00	

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
Direct Attainment 100%	3.00	2.50	2.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.50	2.50	
Direct Attainment 20%	2.40	2.00	1.60	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.00	2.00	
Indirect Attainment 100%	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	
Indirect Attainment 20%	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	
Total Attainment 100%	3.00	2.70	2.40	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.70	2.70	

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Department of Mechanical Engineering

M.E. Thermal Engineering

Batch 2021-23

CO – PO Attainment

Course Code	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
SEMESTER I															
C101	3.00	2.00	1.00										3.00	2.00	
C102	3.00	3.00	2.00	1.00									3.00	2.00	
C103	3.00	3.00	2.00	1.00									3.00	2.00	
C104	3.00	2.00	1.00										3.00	2.00	
C105	3.00		3.00		3.00	3.00		3.00	3.00	3.00	2.00		3.00	3.00	
C106	3.00			2.00				3.00			3.00		3.00	3.00	
C107	3.00	2.00	2.00				1.00						3.00	2.00	
SEMESTER II															
C108	3.00	2.00	1.00										3.00	2.00	
C109	3.00	2.00	1.00										3.00	2.00	
C110	3.00	2.00				1.00	1.00							2.00	
C111	3.00	2.00	1.00										3.00	2.00	
C112	1.00		3.00		2.00		1.00		3.00	3.00		1.00	3.00	3.00	
C113						3.00	2.00	3.00	2.00	3.00	2.00	2.00			
C114	3.00	3.00						2.00	2.00	2.00			3.00	1.00	
C115	3.00					2.00	1.00						3.00	1.00	
SEMESTER III															
C201	3.00	3.00			3.00	3.00		2.00							
C202	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.00	3.00	2.00
C203	3.00	2.00	1.00			2.00	1.00						1.00	2.00	
C204	3.00	2.00	1.00										1.00	2.00	
SEMESTER IV															
C205	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.00	3.00	

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PO 1	PO 2	PO 3
Direct Attainment 100%	3.00	2.50	2.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.50	2.50	
Direct Attainment 80%	2.40	2.00	1.60	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.00	2.00	
Indirect Attainment 100%	2.75	2.64	2.65	2.55	2.55	2.60	2.65	2.55	2.55	2.40	2.55	2.45	2.40	2.40	
Indirect Attainment 20%	0.55	0.53	0.53	0.51	0.51	0.52	0.53	0.47	0.47	0.48	0.51	0.49	0.48	0.48	
Total Attainment 100%	2.95	2.53	2.13	2.91	2.91	2.92	2.93	2.87	2.87	2.88	2.91	2.89	2.48	2.48	

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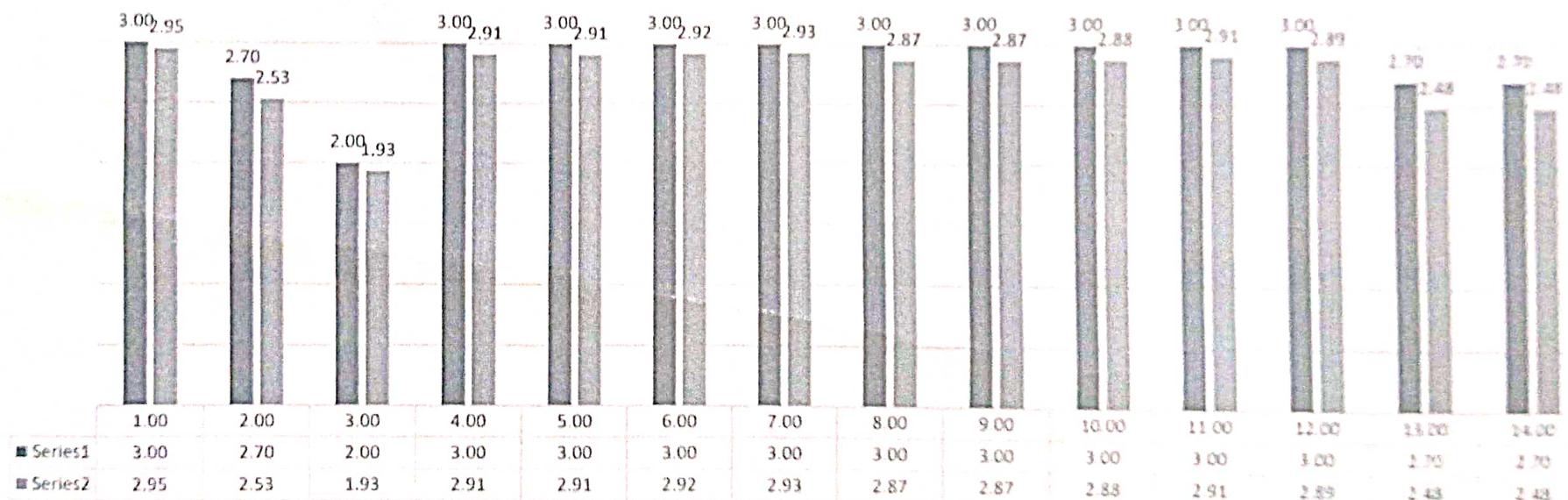
KOMARAPALAYAM - 637303

Department of Mechanical Engineering
M.E. Thermal Engineering

Batch 2021-23

CO - PO Target & Attainment

PO PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
Target	3.00	2.70	2.40	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.70	2.70	0.00
Attained	2.95	2.53	2.13	2.91	2.91	2.92	2.93	2.87	2.87	2.88	2.91	2.89	2.48	2.48	0.00



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