



MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi and Affiliated to Pondicherry University

Accredited by NBA & NAAC 'A' Grade

Kalitheerthalkuppam, Puducherry - 605107

Accredited by



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CO ATTAINMENT – BATCH(2020-24)

GUIDELINES FOR FIXING UP OF COURSE OUTCOME ATTAINMENT LEVELS

Batch	Target Attainment Level		
	1	2	3
2021-25	70% of students scoring 50% and above	75% of students scoring 50% and above	80% of students scoring 50% and above
2020-24	65% of students scoring 50% and above	70% of students scoring 50% and above	75% of students scoring 50% and above
2019-23	60% of students scoring 50% and above	65% of students scoring 50% and above	70% of students scoring 50% and above

CO ATTAINMENT TARGET

[BATCH 2020-24]

Performance Level	CO Score Range	Quality
Level 3	2.75 - 3.00	Excellent
Level 2	2.50 - 2.74	Good
Level 1	2.25 - 2.49	Satisfactory
Need Improvement	<2.25	Critical

CO ATTAINMENT TABLE (2020-24)

Code	Name of the Subject	CO1	CO2	CO3	CO4	CO5	Average	Performance Level
Third Semester								
C201	Mathematics - III	3	2.78	3	2.56	2.75	2.82	Level 3
C202	Electronics Devices and Circuits	2.7	2.7	2.6	2.6	2.6	2.64	Level 2
C203	Object Oriented Programming and Design	2.9	3	3	2.9	3	2.96	Level 3
C204	Digital System Design	3	3	3	2.9	2.9	2.96	Level 3
C205	Data Structures	3	3	3	2.9	2.9	2.96	Level 3
C206	Computer Organization and Architecture	2.6	3	2.7	2.7	3	2.80	Level 3
C207(P)	Electronics Devices and Circuits Lab	2.9	2.9	-	-	-	2.90	Level 3
C208(P)	Data Structures Laboratory	3	3	3	-	-	3.00	Level 3
C209(P)	Digital system design Laboratory	3	3	3	-	-	3.00	Level 3
Fourth Semester								
C210	Mathematics -IV	2.8	2.7	3	2.5	2.5	2.70	Level 2
C211	Microprocessors and	3	2.9	2.9	3	3	2.96	Level 3
C212	Automata Languages and Computations	1.46	1.56	1.56	1.46	1.46	1.50	Need Improvement

C213	Design and Analysis of Algorithms	2.8	2.8	2.8	2.7	2.7	2.76	Level 3
C214	Object Oriented Programming	3	3	2.9	3	2.9	2.96	Level 3
C215	Graphics and Image Processing	2.9	3	3	2.9	2.9	2.94	Level 3
C216(P)	Microprocessor and Microcontrollers Laboratory	2.9	2.9	3	-	-	2.93	Level 3
C217(P)	Design and Analysis of Algorithms Lab	2.9	3	3	-	-	2.97	Level 3
C218(P)	Object Oriented Programming Languages	3	3	3	-	-	3.00	Level 3
Fifth Semester								
C301	Operating Systems	2.9	2.9	2.9	2.9	2.9	2.90	Level 3
C302	Computer Networks	3	3	2.6	2.6	2.7	2.78	Level 3
C303	Database Management Systems	2.7	2.8	2.8	2.8	2.7	2.76	Level 3
C304	Language Translators	2.8	3	2.6	2.6	2.5	2.70	Level 2
C305	Software Engineering	2.8	2.9	2.6	2.7	3	2.80	Level 3
C306(P)	Operating Systems Laboratory	2.9	2.4	2.4	-	-	2.57	Level 2
C307(P)	Computer Networks Laboratory	2.9	2.9	2.9	-	-	2.90	Level 3
C308(P)	Database Management Systems Lab	3	3	3	-	-	3.00	Level 3

C309	General Proficiency - I	3	3	3	3	3	3.00	Level 3
Sixth Semester								
C310	Enterprises Solution	3	3	2.9	2.8	2.8	2.90	Level 3
C311	Embedded Systems	2.5	2.6	2.6	2.6	2.7	2.60	Level 2
C312	Web Technology	3	3	2.9	3	2.9	2.96	Level 3
C313	Elective-I- OOAD	2.97	2.96	2.97	3	3	2.98	Level 3
C314	Elective-II E-Business	3	3	3	2.9	3	2.98	Level 3
C315	Enterprises Solutions Laboratory	3	3	3	-	-	3.00	Level 3
C316(P)	Embedded Systems Laboratory	3	3	3	-	-	3.00	Level 3
C317(P)	Web Technology Laboratory	3	3	3	-	-	3.00	Level 3
C318(P)	Industrial Visits/Training	3	3	3	3	3	3.00	Level 3
C319(P)	General Proficiency-II	3	3	3	3	3	3.00	Level 3
Seventh Semester								
C401	Artificial Intelligence	2.5	2.6	2.6	2.9	2.9	2.70	Level 2
C402	Computer Hardware and Network Troubleshooting	2.5	2.9	2.6	2.5	2.5	2.60	Level 3
C403	Platform Technology	2.6	2.5	2.6	2.5	2.6	2.56	Level 2

C404	Software Testing and Quality Assurance	3	2.8	2.9	3	2.9	2.92	Level 3
C405(P)	Artificial Intelligence Laboratory	3	3	3	-	-	3.00	Level 3
C406(P)	Troubleshooting Laboratory	3	3	3	-	-	3.00	Level 3
C407(P)	Platform Technology Laboratory	3	3	3	-	-	3.00	Level 3
C408(P)	Project Work (Phase I)	3	3	3	3	3	3.00	Level 3
Eighth Semester								
C409	Engineering Economics and Management	3	3	2.9	2.9	2.9	2.94	Level 3
C410	Information Security	2.4	2.4	2.4	2.5	2.5	2.44	Level 1
C411	Elective-V – Mobile Computing	3	3	3	3	3	3.00	Level 3
C412	Elective-VI – Cloud Computing	2.37	2.73	2.73	2.72	2.72	2.60	Level 2
C413(P)	Professional Ethics Practice	3	3	3	3	3	3.00	Level 3
C414(P)	Seminar	3	3	3	3	3	3.00	Level 3
C415(P)	Comprehensive Viva-Voce	3	3	3	3	3	3.00	Level 3
C416(P)	Project Work (Phase-II)	3	3	3	3	3	3.00	Level 3