

**MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY**

Approved by AICTE, New Delhi and Affiliated to Pondicherry University

Accredited by NBA & NAAC 'A' Grade

Kallitheerthalkuppam, Puducherry - 605107

Accredited by

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING****PO/PSO ATTAINMENT – BATCH(2020-24)**

FIRST SEMESTER													
C101	Mathematics – I	2.66	1.78	2.66	2.66	-	-	-	-	-	-	-	2.66
C102	Physics	2.98	2.98	0.99	0.98	-	-	0.99	-	-	-	-	2.98
C103	Chemistry	2.99	1.99	1.78	-	-	-	-	-	-	-	1	1.60
C104	Basic Electrical and Electronics Engineering	2.31	1.32	-	-	0.77	-	-	-	-	-	-	2
C105	Engineering Thermodynamics	2.94	2.94	2.94	-	-	-	-	-	-	-	-	0.78
C106	Computer Programming	2.45	1.76	1.93	1.05	0.71	-	-	-	-	-	-	1.42
C107 (P)	Computer Programming lab	3	2	2	2	2	-	-	-	-	-	-	3
C108 (P)	Engineering Graphics	1.5	0.78	-	-	-	-	-	-	-	-	-	-
C109	Basic Electrical & Electronics Laboratory	2	2	-	-	2	-	-	-	-	-	2	-
SECOND SEMESTER													
C110	Mathematics – II	2.94	2.94	2.94	-	-	-	-	-	-	-	-	0.71
C111	Material Science	2.98	0.75	-	-	-	-	-	-	-	-	1	1
C112	Environmental Science	2.99	-	-	-	-	1.99	2.99	-	-	-	-	2.78

C113	Basic Civil and Mechanical Engineering	2.95	2.95	2.95	-	-	-	-	-	-	-	-	-
C114	Engineering Mechanics	2.94	2.94	-	2.94	-	0.98	-	-	-	1.96	-	1.96
C115	Communicative English	-	-	-	-	-	-	-	2	3	3	-	3
C116(P)	Physics Laboratory	3	-	-	1	-	-	-	-	1	2	-	2
C117(P)	Chemistry Laboratory	3	-	-	-	-	-	-	-	2	1	-	2
C118(P)	Workshop Practice	1	-	1	-	-	-	-	-	-	-	-	-
C119(P)	NSS / NCC *	1	-	-	-	0.6	1.8	1.2	1.8	1.4	1.8	0.4	0.8

THIRD SEMESTER

C201	Mathematics - III	2.57	2.68	2.12	-	0.52	-	-	-	-	-	-	1.52
C202	Electronics Devices and Circuits	2.5	1.73	2.12	1.73	-	-	-	-	-	-	1	2.6
C203	Object Oriented Programming and Design	2.	0.78	0.58	0.5	0.6	-	-	-	-	-	-	0.5
C204	Digital System Design	2.76	1.97	2.36	1.36	-	-	-	-	-	-	-	1.73
C205	Data Structures	2.57	0.56	0.6	-	-	-	-	-	-	-	-	-
C206	Computer Organization and Architecture	1.58	1.48	-	-	-	-	-	-	-	-	-	-
C207(P)	Electronics Devices and Circuits Lab	3	2.2	-	1.41	1.3	-	-	-	-	-	-	-

C208(P)	Data Structures Laboratory	3	3	-	1.6	1.3	-	-	-	-	-	-	-	-
C209(P)	Digital system design Laboratory	3	3	3	2	1	-	-	-	-	-	-	-	2
FOURTH SEMESTER														
C210	Mathematics -IV	3	3	2	1	1	-	-	-	-	-	-	-	1
C211	Microprocessors and Microcontrollers	2.85	1.90	0.74	0.57	0.74	-	-	-	-	-	-	-	1.90
C212	Automata Languages and Computations	1.50	1.50	0.51	-	0.59	-	-	-	-	-	-	-	-
C213	Design and Analysis of Algorithms	1.96	1.96	-	0.78	0.65	-	-	-	-	-	-	-	-
C214	Object Oriented Programming	1.77	0.99	0.39	0.40	0.98	-	-	-	-	-	-	-	-
C215	Graphics and Image Processing	1.77	1.93	1.77	2.75	0.78	-	-	-	-	-	-	-	1.77
C216(P)	Microprocessor and Microcontrollers Laboratory	3.0	1.3	0.7	-	-	-	-	-	-	-	-	-	-
C217(P)	Design and Analysis of Algorithms Lab	3	3	-	1.7	1.3	-	-	-	-	-	-	-	-
C218(P)	Object Oriented Programming Languages	3	3	3	3	3	-	-	-	-	-	-	-	3
C219(P)	Physical Education*	3	2	2	2	3	2	-	2	2	1	1	1	1

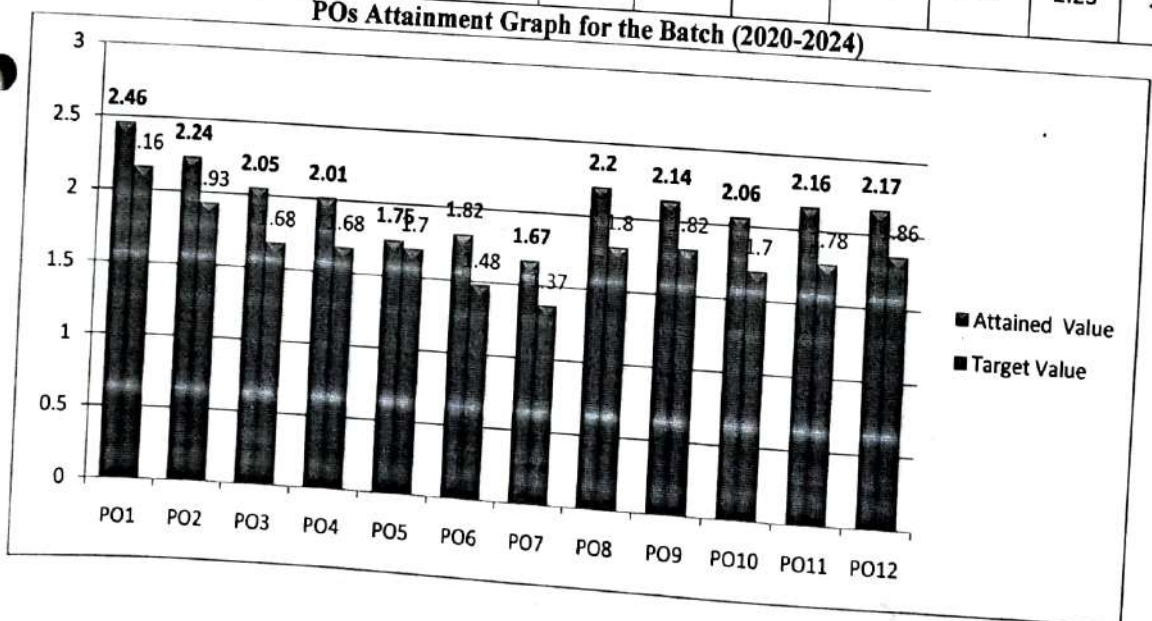
C315(P)	Enterprises Solutions Laboratory	1.4	1.6	2	-	2.4	-	-	-	-	-	-	2.4
C316(P)	Embedded Systems Laboratory	3	2	2	-	2	-	-	-	-	-	-	-
C317(P)	Web Technology Laboratory	2	2	2	-	2	-	-	-	-	-	-	2
C318(P)	Industrial Visits/Training	3	3	3	3	3	3	2	2	3	3	3	3
C319(P)	General Proficiency-II	-	-	-	-	-	-	-	-	3	3	2	2
SEVENTH SEMESTER													
C401	Artificial Intelligence	2.35	0.71	0.51	-	-	-	-	-	-	-	-	-
C402	Computer Hardware and Network Troubleshooting	2.14	1.57	1.65	-	0.39	-	-	-	-	-	-	2
C403	Platform Technology	2.14	1.57	0.2	0.25	0.2	-	-	-	-	-	-	1.28
C404	Software Testing and Quality Assurance	1.57	1.97	1.97	1.97	1.93	-	-	-	1.17	0.58	-	2.96
C405(P)	Artificial Intelligence Laboratory	1.6	1.6	3	-	-	-	-	-	-	-	-	-
C406(P)	Troubleshooting Laboratory	2.7	2.0	0.7	-	0.7	-	-	-	-	-	-	0.7
C407(P)	Platform Technology Laboratory	3	2	2	1	2	-	-	-	-	-	2	1
C408(P)	Project Work (Phase I)	2.6	0.8	0.4	1	0.8	1.8	1.6	2.2	2.8	1.2	1.4	2.6

EIGHTH SEMESTER

C409	Engineering Economics and Management	1.99	1.45	-	-	-	0.67		0.2			1.67	1.67
C410	Information Security	2.00	2.00	-	1.26	2.00	-	-	-	-	-	-	-
C411	Elective-V – Mobile Computing	1.85	1.41	0.26	2.12	1.41	-	-	-	-	-	-	1.41
C412	Elective-VI – Cloud	2.65	2.24	1.21	-	-	-	-	-	-	-	-	1.77
C413(P)	Professional Ethics Practice	1	-	-	-	-	-	-	3	2	-	-	3
C414(P)	Seminar	3	-	1	-	-	-	-	-	2	3	-	2
C415(P)	Comprehensive Viva-Voce	3	3	-	-	-	-	-	-	-	2	-	1
C416(P)	Project Work (Phase-II)	2.79	2.65	2.35	-	2.43		1.88		2.59	2.09	2.61	1.96
Guest Lectures		2.58	2.8	2.5	2.8	2.9	-	-	-	2.7	2.5	2.5	2.30
Workshops		2.49	2.7	2.6	2.65	2.57	-	-	-	-	2.4	2.6	2.8
Industrial Visits		2.50	2.63	2.80	2.80	2.7	-	-	-	-	-	2.70	2.80
Mini Projects		3	3	3	3	3	3	3	3	3	3	3	3
Value added Courses		2.6	2.8	2.4	2.4	2.4	-	-	-	-	-	2.2	2.7
Average of PO's(Direct)		2.41	2.13	1.93	1.86	1.55	1.75	1.59	2.26	2.17	2.05	2.04	2.05
Programme exit survey		2.67	2.71	2.53	2.57	2.63	2.12	2	2	1.9	1.98	2.71	2.64
Employer Survey		2.71	2.57 3	2.53	2.67	2.67	2	1.9	2.71	2	2	2	2.5

Alumni survey	2.65	2.69	2.51	2.64	2.51	2.11	1.9	1.8	1.8	2.1	2.57	2.67
Average of PO's(InDirect)	2.66	2.7	2.52	2.605	2.57	2.12	1.98	1.97	2.0	2.12	2.64	2.67
Overall Levels of Attainment												
(DIRECT 80%)	1.93	1.70	1.54	1.49	1.24	1.40	1.27	1.81	1.74	1.64	1.63	1.64
(INDIRECT 20%)	0.53	0.54	0.50	0.52	0.51	0.42	0.39	0.39	0.4	0.42	0.52	0.53
Attained Value	2.46	2.24	2.05	2.01	1.75	1.82	1.67	2.2	2.14	2.06	2.16	2.17
Target Value	2.16	1.93	1.68	1.68	1.70	1.48	1.37	1.80	1.82	1.70	1.78	1.86

PO Attainment Value												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Attained Value	2.46	2.24	2.05	2.01	1.75	1.82	1.67	2.2	2.14	2.06	2.16	2.17
80% of Target Value	2.16	1.93	1.68	1.68	1.70	1.48	1.37	1.80	1.82	1.70	1.78	1.86
Overall Target Value	2.7	2.41	2.1	2.1	2.12	1.85	1.71	2.25	2.27	2.12	2.23	2.32



PSO ATTAINMENT – 2013 Regulation

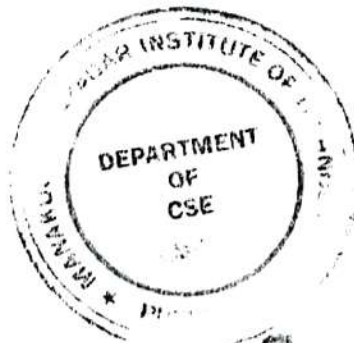
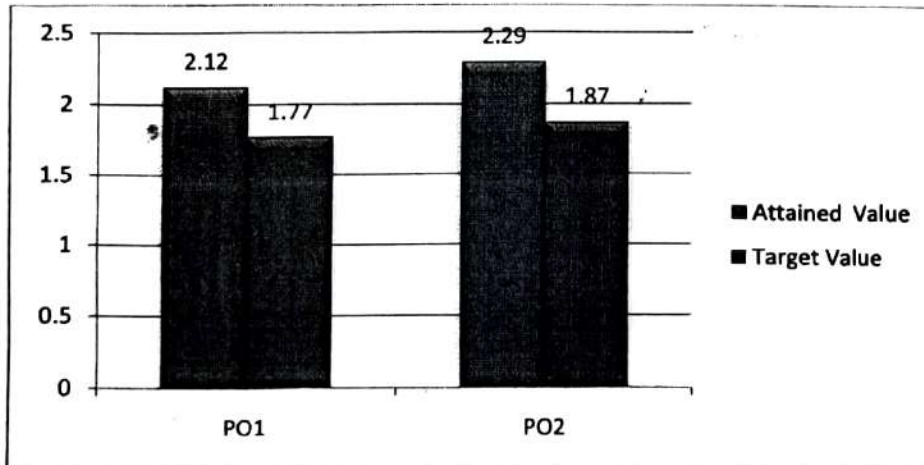
		Batch 2020-24	
Course Code	Course Name	PSO1	PSO2
C101	Mathematics – I	1	1
C106	Computer Programming	1.98	2.25
C107(P)	Computer Programming lab	1.98	2.25
C110	Mathematics – II	1	-
C201	Mathematics - III	3	1
C203	Object Oriented Programming and Design	1	1
C204	Digital System Design	2.8	2.8
C205	Data Structures	1.65	2
C206	Computer Organization and Architecture	2.5	2.5
C208(P)	Data Structures Laboratory	3	3
C209(P)	Digital system design Laboratory	1	0.8
C210	Mathematics -IV	1	0.6
C211	Microprocessors and Microcontrollers	1	1
C212	Automata Languages and Computations ;	0.98	-
C213	Design and Analysis of Algorithms	1.5	1.5
C214	Object Oriented Programming	3	3
C215	Graphics and Image Processing	3	3
C216(P)	Microprocessor and Microcontrollers Laboratory	1	1
C217(P)	Design and Analysis of Algorithms Lab	1	1.5
C218(P)	Object Oriented Programming Languages	0.5	0.5
C301	Operating Systems	1	1.5
C302	Computer Networks	0.5	2.4
C303	Database Management Systems	0.4	1.2
C304	Language Translators	2	-
C305	Software Engineering	2.5	2.8
C306(P)	Operating Systems Laboratory	1	1

C307(P)	Computer Networks Laboratory	2	2
C308(P)	Database Management Systems Lab	1	2
C310	Enterprises Solution	0.5	0.5
C311	Embedded Systems	1.5	2.7
C312	Web Technology	-	2.6
C313	Elective-I – OOAD	-	2.8
C314	Elective-II –E-Business	-	2.8
C315(P)	Enterprises Solutions Laboratory	-	1.5
C316(P)	Embedded Systems Laboratory	1	3
C317(P)	Web Technology Laboratory	-	3
C401	Artificial Intelligence	1	2
C402	Computer Hardware and Network Troubleshooting	1	2
C403	Platform Technology	2	2.56
C404	Software Testing and Quality Assurance	0.5	2.6
C405(P)	Artificial Intelligence Laboratory	1	2
C406(P)	Troubleshooting Laboratory	1	2
C407(P)	Platform Technology Laboratory	2	3
C408(P)	Project Work (Phase I)	3	3
C409	Engineering Economics and Management	1	-
C410	Information Security	-	2.7
C411	Elective-V –Mobile Computing	1	1.6
C412	Elective-VI - Cloud Computing	1	1.7
C416(P)	Project Work (Phase-II)	3	3
Guest Lectures		2.32	2.55
Workshops		2.65	2.8
Industrial Visits		2.8	2.92
Mini Projects		3	3
Value added Courses		3	3

Average of PO's(Direct)	1.95	2.17
Programme exit survey	3	3
Alumni survey	3	3
Employer Survey	3	3
Average of PO's(InDirect)	3	3
(DIRECT 80%)	1.52	1.69
(INDIRECT 20%)	0.6	0.6
Attained Value	2.12	2.29
Target Value	1.77	1.87

	PSO1	PSO2
Attained Value	2.12	2.29
80% of Target Value	1.77	1.87
Overall Target Value	2.21	2.34

PSOs Attainment for the Batch (2020-2024)



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