



Mar Ephraem

College of Engineering & Technology

(NAAC Accredited Institution)

Run by Catholic Diocese of Marthandam

Department of Computer Science and
Engineering

COURSE OUTCOME
AND

PROGRAM OUTCOME ATTAINMENT
BATCH 2016-2020





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4. PROGRAM LEVEL COURSE-PO/PSO MATRIX

Course	Course Title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2
C101	Technical English – I	-	-	-	-	-	-	-	-	-	3.00	-	1.67	-	-
C102	Mathematics – I	3.00	2.00	1.00	-	-	-	-	-	-	-	-	-	1	-
C103	Engineering Physics – I	3.00	2.17	1.17	-	-	-	-	-	-	-	-	-	-	-
C104	Engineering Chemistry – I	3.00	2.00	1.00	-	-	-	-	-	-	-	-	-	-	-
C105	Computer Programming	2.67	1.67	1.00	1.00	2.50	-	-	-	-	-	-	-	2	-
C106	Engineering Graphics	1.83	1.00	-	-	-	-	-	-	2.00	2.00	-	-	-	-
C107	Computer Practices Laboratory	2.50	2.00	1.33	1.33	1.17	0.83	1.33	-	1.50	0.83	-	-	2.2	-
C108	Engineering Practices Laboratory	2.00	-	-	-	-	-	-	-	2.00	-	-	-	-	-
C109	Physics and Chemistry Laboratory -I	3.00	2.00	-	-	1.00	-	-	-	-	-	-	-	-	-
C110	Technical English – II	-	-	-	-	-	-	-	-	-	3.00	-	-	-	-
C111	Mathematics – II	3.00	2.00	1.00	-	-	-	-	-	-	-	-	-	0.84	0.93
C112	Engineering Physics – II	3.00	2.50	1.83	-	-	-	-	-	-	-	-	-	-	-
C113	Engineering Chemistry – II	2.33	1.67	2.00	-	-	-	-	-	-	2.00	-	1.83	-	-
C114	Digital Principles and system design	2.83	1.83	1.00	-	-	-	-	-	-	-	-	-	-	-
C115	Programming and data structures I	2.83	2.00	1.2	1.00	-	-	-	-	-	-	-	-	3	-
C116	Physics and Chemistry Laboratory -II	2.00	-	-	-	2.00	-	-	-	-	-	-	-	-	-
C117	Digital Laboratory	3.00	2.00	1.00	-	1.17	-	-	-	-	-	-	-	-	-
C118	Programming and data structures I Lab	3	2	3	3	-	-	-	-	-	-	-	2	3	-
C201	Transforms and Partial Differential Equations	2.83	1.83	1	P04	-	-	-	-	-	-	-	-	2.83	1.83
C202	Programming and Data Structure II	2.83	2	1.40	1.40	1.33	-	-	-	-	1.83	-	-	2.83	2
C203	Database Management Systems	2.50	2.00	1.50	1.50	3.00	-	-	-	-	2	-	2	2.50	2.00
C204	Computer Architecture	2	1	P03	P04	-	-	-	-	-	-	-	-	2	1
C205	Analog and Digital Communication	1.83	1.67	1	1	-	-	-	-	-	-	-	-	1.83	1.67



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C206	Environmental Science and Engineering	PO1	PO2	PO3	PO4	-	-	3	3	3	3	-	3	PO1	PO2
C207	Programming and Data Structure Laboratory II	3	2.2	1.4	1.4	1.4	-	-	2	3	2	-	3	3	2.2
C208	Database Management Systems Laboratory	2.80	2.00	1.50	1.00	3.00	2.00	-	-	-	-	-	1.60	2.80	2.00
C209	Probability and Queueing Theory	2.83	1.83	1.00	PO4	-	-	-	-	-	-	-	-	2.83	1.83
C210	Computer Networks	3	2.5	2.17	1.67	-	-	-	-	-	-	-	2.5	3	2.5
C211	Operating Systems	2.33	1.66	2	2	-	-	-	-	-	2	-	-	2.33	1.66
C212	Design and Analysis of Algorithms	3.00	2.33	1.67	1.67	-	-	-	-	-	-	-	3	3.00	2.33
C213	Microprocessor and Microcontroller	2.83	2.17	1.33	1.33	-	-	-	-	-	2	-	2	2.83	2.17
C214	Software Engineering	3.00	3.00	2.17	1.83	0.83	1.50	2.50	2.00	1.50	1.67	1.67	1.50	3.00	3.00
C215	Networks Laboratory	3	3	3	1	2	-	-	2	3	2	-	3	3	3
C216	Microprocessor and Microcontroller Laboratory	3.00	2.20	1.40	1.40	1.40	-	-	2.00	3.00	2.00	-	3.00	3.00	2.20
C217	Operating Systems Laboratory	3.00	3.00	2.60	2.25	1.00	1.50	1.00	1.50	-	-	1.25	1.60	3.00	3.00
C301	Discrete Mathematics	2.72	1.76	0.79	0.63	-	-	-	-	2	-	-	-	2.72	1.76
C302	Internet Programming	3	3	2	2	3	-	-	2	2	2	-	2.5	3	3
C303	Object Oriented Analysis and Design	2.83	2.17	1.33	1.33	-	2	-	-	-	-	-	2	2.83	2.17
C304	Theory of Computation	2.83	2.33	1.67	1.67	-	-	-	-	-	-	-	3	3.00	2.33
C305	Computer Graphics	3.00	3.00	3.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	3.00	3.00
C306	Computer Graphics	3	2.8	2.6	2.6	3	2	-	-	3	1.8	-	3	3	2.8
C307	Case Tools Laboratory	3	3	3	2	3	-	-	2	-	1.2	-	2	3	3
C308	Internet Programming Laboratory	3	3	3	1.75	2	-	-	2	-	-	-	2	3	3
C309	Computer Graphics Laboratory	3	3	3	1.75	2	-	-	2	-	-	-	-	2.00	1.50
C310	Distributed Systems	2.00	1.50	1.60	1.17	1.00	-	-	-	-	-	-	-	2.00	1.50
C311	Mobile Computing	3.00	2.83	2.33	2.33	1.17	1.00	0.67	1.00	1.00	0.67	1.00	1.00	3.00	2.83
C312	Mobile Computing	3.00	2.83	2.33	2.33	1.17	1.00	0.67	1.00	1.00	0.67	1.00	1.00	3.00	2.83
C313	Compiler Design	2.83	2	1.40	PO4	-	-	-	-	-	-	-	-	2.83	2
C314	Digital Signal Processing	2.50	1.67	1.33	1.33	1.00	-	-	-	-	2	-	2	2.50	1.67
C315	Artificial Intelligence	2.50	1.67	1.33	1.33	1.00	-	-	-	-	2	-	2	2.50	1.67
C315	Mobile Application Development Laboratory	3	2.67	2.33	2.33	-	-	-	-	-	2	-	3	3	2.67
C315	Mobile Application Development Laboratory	3	2.60	3	3	3	2.20	2	2	3	2.20	2.20	2.20	3	2.60

