



Sr. No.	Course Code	Course Type	Name of the Subject	Teaching Scheme (Hrs./week)						Examination Scheme and Marks						Credit			
				TH	PR	TUT	Contact Hours	Self Learning	Total	CCE	ESE	TW	PR	OR	TOTAL	TH	PR	TUT	TOTAL

Semester-III

1	R25-CO-PCC-201	Program Core course - 1	Data Structures	3	-	-	45	45	90	40	60	-	-	-	100	3	-	-	3
2	R25-CO-PCC-202	Program Core course - 2	Digital Logic & Microprocessor	3	-	-	45	45	90	40	60	-	-	-	100	3	-	-	3
3	R25-CO-PCC-203	Program Core course - 3	Object Oriented Programming and Computer Graphics	3	-	-	45	45	90	40	60	-	-	-	100	3	-	-	3
4	R25-CO-MDM-204	Multidisciplinary Course-1	Probability and Statistics	3	-	-	45	45	90	40	60	-	-	-	100	3	-	-	3
5	R25-CO-OEC-205	Open Elective - 1	To be chosen from a basket of Open Elective- I finalized at college level	2	-	-	30	30	60	40	60	-	-	-	100	2	-	-	2
6	R25-CO-EEM-206	Entrepreneurship/ Economics/ Management course	Economics for Engineers	1	2	-	15	15	60	25	-	25	-	-	50	1	1	-	2
7	R25-CO-VEC-207	Value Education Course	Universal Human Values & Ethics	2	-	-	30	30	60	50	-	-	-	-	50	2	-	-	2
8	R25-CO-PCC-208	Program Core Course-Lab	Data Structures Laboratory	-	2	-		-	30	-	-	25	25	-	50	-	1	-	1
9	R25-CO-PCC-209	Program Core Course Lab / Multidisciplinary Course-Lab	Object Oriented Programming and Computer Graphics Laboratory	-	2	-		-	30	-	-	25	25	-	50	-	1	-	1

Sankar
Chairman
 BoS, Computer Engineering
 Amrutvahini College of Engineering, Amrutnagar
 Sangamner-422608

R. Ganesh
Chairman
 Academic Council
 Amrutvahini College of Engineering, Amrutnagar
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10	R25-CO-CEP-210	Community Engagement Project / Field Project	Community Engagement Project	-	4	-		-	60	-	-	50	-	-	50	-	2	-	2
				17	10	0	255	255	660	275	300	125	50	0	750	17	5	0	22

Note: Open Elective basket and MDM Courses offered at college level, are enlisted after Sem-VIII.

Semester-IV																			
Sr. No.	Course Code	Course Type	Name of the Subject	Teaching Scheme (Hrs./week)						Examination Scheme and Marks						Credit			
				TH	PR	TUT	Contact Hours	Self Learning	Total	CCE	ESE	TW	PR	OR	TOTAL	TH	PR	TUT	TOTAL
1	R25-CO-PCC-211	Program Core course - 4	Applied Discrete Mathematics	3	-	-	45	45	90	40	60	-	-	-	100	3	-	-	3
2	R25-CO-PCC-212	Program Core course - 5	Operating System	2	-	-	30	30	60	40	60	-	-	-	100	2	-	-	2
3	R25-CO-PCC-213	Program Core course - 6	Database Management Systems	3	-	-	45	45	90	40	60	-	-	-	100	3	-	-	3
4	R25-CO-MDM-214	Multidisciplinary Course - 2	Embedded Systems & Internet of Things	2	-	-	30	30	60	40	60	-	-	-	100	2	-	-	2
5	R25-CO-OEC-215	Open Elective - 2	To be chosen from a basket of Open Elective- II finalized at college level	2	-	-	30	30	60	40	60	-	-	-	100	2	-	-	2
6	R25-CO-VSC-216	Vocational Skill Course	Programming in Java	1	2	-	15	15	60	25	-	-	25	-	50	1	1	-	2

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7	R25-CO-AEC-217	Ability Enhancement Course	Modern Indian Language and Technical Writing	1	2	-	15	15	60	25	-	25	-	-	50	1	1	-	2
8	R25-CO-EEM-218	Entrepreneurship/ Economics/ Management course	Entrepreneurship and Startup Fundamentals	2	-	-	30	30	60	50	-	-	-	-	50	2	-	-	2
9	R25-CO-PCC-219	Program Core Course- Lab	Operating System Lab	-	2	-	30	-	30	-	-	-	25	-	25	-	1	-	1
10	R25-CO-PCC-220	Program Core Course Lab	Database Management Systems Lab	-	2	-	30	-	30	-	-	-	25	-	25	-	1	-	1
11	R25-CO-VEC-221	Value Education Course	Sustainable Technology and Green Computing	2	-	-	30	30	60	50	-	-	-	-	50	2	-	-	2
				18	8	0	330	270	660	350	300	25	75	0	750	18	4	0	22

Exit option: Award of UG Diploma in Major with 88 credits and an additional 8 credits from following Exit Courses

Course Code	Course Title	L	T	P	Credits	Contact Hrs	TW	OR	Total Marks
R25-CO-EXC-101A	Web Development and Deployment	-	-	-	4	-	100		100
R25-CO-EXC-101B	Project	-	-	16	4	16	50	50	100
Total									200

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