

Government College of Engineering, Karad
SCHEME OF INSTRUCTION & SYLLABI

Programme: Information Technology

Scheme of Instructions : Second Year B. Tech. in Information Technology

Semester – III (w.e.f. AY. 2020-21)

Sr. No.	Course Category	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Course Credits	EXAM SCHEME				
									CT-1	CT-2	TA/CA	ESE	TOTAL
1	HSMC	IT2301	Values and Ethics	2	-	-	2	2	15	15	10	60	100
2	BSC	IT2302	Mathematics – III	3	1	-	4	4	15	15	10	60	100
3	ESC	IT2303	Digital Systems	4	-	-	4	4	15	15	10	60	100
4	ESC	IT2304	Computer Organization and Architecture	3	-	-	3	3	15	15	10	60	100
5	PCC	IT2305	Data Structure and Algorithms	3	-	-	3	3	15	15	10	60	100
6	ESC	IT2306	Digital Systems Lab	-	-	2	2	1	-	-	50	50	100
7	PCC	IT2307	Data Structure and Algorithms Lab	-	-	4	4	2	-	-	75	75	150
8	P/S/IT	IT2308	Industrial Training	-	-	2	2	1	-	-	50	-	50
		Total		15	01	08	24	20	75	75	225	425	800

L- Lecture

T-Tutorial

P-Practical

CT1- Class Test 1

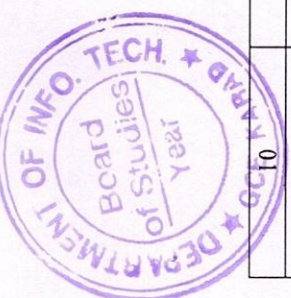
TA/CA- Teacher Assessment/Continuous Assessment

CT2- Class Test 2

ESE- End Semester Examination (For Laboratory End Semester performance)

Course Category	HSMC (Hum., Soc. Sc., Mgmt.)	BSC (Basic Sc.)	ESC (Engg. Sc.)	PCC (Programme Core Courses)	PEC (Programme Elective Courses)	OEC (Open Elective courses from other discipline)	MCC (Mandatory Courses)	Project / Seminar / Industrial Training
Credits	02	04	08	05	--	--	--	01
Cumulative Sum	05	22	24	05	--	--	--	01

PROGRESSIVE TOTAL CREDITS : 37+20 =57



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SCHEME OF INSTRUCTION & SYLLABI

Programme: Information Technology

Scheme of Instructions : Second Year B. Tech. in Information Technology

Semester – IV (w.e.f. AY. 2020-21)

Sr. No.	Course Category	Course Code	Course Title	L	T	P	Contact Hrs /Wk	Course Credits	EXAM SCHEME				
									CT-1	CT-2	TA/CA	ESE	TOTAL
1	OEC	IT2401	Microprocessor and Microcontroller	3	-	-	3	3	15	15	10	60	100
2	PCC	IT2402	Discrete Mathematics	3	1	-	4	4	15	15	10	60	100
3	PCC	IT2403	System Software and Operating Systems	3	-	-	3	3	15	15	10	60	100
4	PCC	IT2404	Database Management System	3	-	-	3	3	15	15	10	60	100
5	PCC	IT2405	Object Oriented Programming	3	-	-	3	3	15	15	10	60	100
6	OEC	IT2406	Microprocessor and Microcontroller Lab	-	-	2	2	1	-	-	25	-	25
7	PCC	IT2407	System Software and Operating Systems Lab	-	-	2	2	1	-	-	50	-	50
8	PCC	IT2408	Database Management System Lab	-	-	2	2	1	-	-	25	25	50
9	PCC	IT2409	Object Oriented Programming Lab	-	-	2	2	1	-	-	50	25	75
10	MCC	IT2410	Environmental Science	2	-	-	2	Audit	15	15	10	60	100
		Total		17	01	08	26	20	90	90	210	410	800

L-Lecture

T-Tutorial

P-Practical

CT1- Class Test 1

TA/CA- Teacher Assessment/Continuous Assessment

CT2- Class Test 2

ESE- End Semester Examination (For Laboratory End Semester performance)

Course Category	HSMC (Hum., Soc. Sc, Mgmt.)	BSC (Basic Sc.)	ESC (Engg. Sc.)	PCC (Programme Core courses)	PEC (Programme Elective courses)	OEC (Open Elective courses from other discipline)	MCC (Mandatory Courses)	Project / Seminar / Industrial Training
Credits	--	--	--	16	--	04	Yes	--
Cumulative Sum	05	22	24	21	--	04	--	01

PROGRESSIVE TOTAL CREDITS : 57+20 =77