

Government College of Engineering, Karad

SCHEME OF INSTRUCTION & SYLLABI

Programme: Information Technology

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

Semester – I (w.e.f. 2023-24)

Sr. No.	Course Category	Course Code	Course Title	L	T	P	Contact Hrs/Wk	Course Credits	EXAM SCHEME			
									MSE	ISE	ESE	TOTAL
1	BSC	IT3101	Applied Chemistry	3	--	--	3	3	20	20	60	100
2	BSC	IT3102	Matrix Algebra and Differential Calculus	3	1	--	4	4	20	20	60	100
3	ESC	IT3103	Basic Electronics Engineering	3	--	--	3	3	20	20	60	100
4	ESC	IT3104	Programming for problem solving	3	--	--	3	3	20	20	60	100
5	ESC	IT3105	Design Thinking	1	--	2	3	2	-	50	-	50
6	BSC	IT3106	Applied Chemistry Lab	--	--	2	2	1	-	50	-	50
7	ESC	IT3107	Programming for problem solving Lab	--	--	2	2	1	-	50	25	75
8	HSSM	IT3108	Professional Communication Skills	1	--	2	3	2	-	50	25	75
9	CCA	IT3110	Yoga	--	--	2	2	1	-	50	-	50
10	VSEC	MS3112	Maker Space Lab-I	--	--	4	4	2	-	75	25	100
Total				14	1	14	29	22	80	405	315	800

* Two Weeks Induction Program in the First Semester & Idea Project presentation/demonstration (on Science Day) in the Second Semester are Mandatory for Every Student.

L- Lecture

T-Tutorial

P-Practical

MSE- Mid Semester Examination

ISE- In Semester Evaluation

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

Course Category	Basic Science Courses (BSC)	Engineering Science Courses (ESC)	Programme Core Course (PCC)	Programme Elective Course (PEC)	Open Elective other than particular program (OE/MDM)	Vocational and Skill Enhancement Course (VSEC)	Humanities Social Science and Management (HSSM)	Experiential Learning (EL)	Co-curricular And Extracurricular Activities (CCA)
Credits	08	09	-	-	-	02	02	-	01
Cumulative Sum	08	09	-	-	-	02	02	-	01

PROGRESSIVE TOTAL CREDITS: 00+22 =22

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SCHEME OF INSTRUCTION & SYLLABI

Programme: Information Technology

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

Semester – II (w.e.f. 2026-27)

Sr. No.	Course Category	Course Code	Course Title	L	T	P	Contact Hrs/Wk	Course Credits	EXAM SCHEME			
									MSE	ISE	ESE	TOTAL
1	BSC	IT3201	Applied Physics	3	--	--	3	3	20	20	60	100
2	BSC	IT3202	Differential and Integral Calculus	3	1	--	4	4	20	20	60	100
3	ESC	IT3203	Object Oriented Programming	3	--	--	3	3	20	20	60	100
4	HSSM	IT3205	Indian Knowledge Systems	--	--	--	--	2	-	-	100	100
5	BSC	IT3206	Applied Physics Lab	--	--	2	2	1	-	25	-	25
6	PCC	IT3208	Data Structures Lab	--	--	2	2	1	-	50	25	75
7	CCA	IT3210	NCC/NSS/CSP/E-Cell	--	--	2	2	1	-	50	-	50
8	PCC	IT3211	Data Structures	3	1	--	4	4	20	20	60	100
9	VSEC	MS3212	Maker Space Lab-II	--	--	4	4	2	-	50	50	100
10	ESC	IT3213	Object Oriented Programming Lab	--	--	2	2	1	-	25	25	50
Total				12	2	12	26	22	80	305	415	800

L- Lecture

T-Tutorial

P-Practical

MSE- Mid Semester Examination

ISE- In Semester Evaluation

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

Course Category	Basic Science Courses (BSC)	Engineering Science Courses (ESC)	Programme Core Course (PCC)	Programme Elective Course (PEC)	Open Elective other than particular program (OE/MDM)	Vocational and Skill Enhancement Course (VSEC)	Humanities Social Science and Management (HSSM)	Experiential Learning (EL)	Co-curricular And Extracurricular Activities (CCA)
Credits	08	04	05	-	-	02	02	-	01
Cumulative Sum	16	13	05	-	-	04	04	-	02

PROGRESSIVE TOTAL CREDITS: 22+22 =44