

Government College of Engineering, Karad

SCHEME OF INSTRUCTION & SYLLABI

Programme: Civil Engineering

Proposed Scheme of Instructions: First Year B. Tech. in Civil Engineering

Semester – I(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	CE3101	Applied Physics	3	--	--	3	3	20	20	60	100
2	BSC	CE3102	Applied Mathematics - I	3	1	--	4	4	20	20	60	100
3	ESC	CE3103	Basics of Civil Engineering	3	--	--	3	3	20	20	60	100
4	ESC	CE3104	Engineering Graphics	3	--	--	3	3	20	20	60	100
5	ESC	CE3105	Design Thinking	1	--	2	3	2	-	50	-	50
6	ESC	CE3107	Engineering Graphics Lab	--	--	2	2	1	-	50	-	50
7	HSSM	CE3108	Professional Communication Skills	1	--	2	3	2	-	50	25	75
8	CCA	CE3110	Yoga	--	--	2	2	1	-	50	-	50
9	BSC	CE3111	Applied Physics Lab	--	--	2	2	1	-	50	25	75
10	VSEC	MS3112	Maker Space Lab-I	--	--	4	4	2	-	75	25	100
			Total	14	1	14	29	22	80	405	315	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	09	-	-	-	02	02	-	01
Cumulative Sum	08	09	-	-	-	02	02	-	01

PROGRESSIVE TOTAL CREDITS: 00+22 =22

Government College of Engineering, Karad

SCHEME OF INSTRUCTION & SYLLABI

Programme: Civil Engineering

Proposed Scheme of Instructions: First Year B. Tech. in Civil Engineering

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	CE3201	Applied Mathematics - II	3	1	--	4	4	20	20	60	100
2	BSC	CE3202	Applied Chemistry	3	--	--	3	3	20	20	60	100
3	ESC	CE3203	Programming for problem solving	3	--	--	3	3	20	20	60	100
4	PCC	CE3204	Engineering Mechanics	3	1	--	4	4	20	20	60	100
5	HSSM	CE3205	Indian Knowledge Systems (MOOC)	--	--	--	--	2	-	-	100	100
6	BSC	CE3206	Applied Chemistry Lab	-	-	2	2	1	-	25	25	50
7	PCC	CE3208	Engineering Mechanics Lab	--	--	2	2	1	-	50	25	75
8	CCA	CE3210	NCC/NSS/CSP/E-Cell	--	--	2	2	1	-	50	-	50
9	ESC	CE3211	Programming for problem solving Lab	--	--	2	2	1	-	25	-	25
10	VSEC	MS3212	Maker Space Lab-II	--	--	4	4	2	-	50	50	100
			Total	12	2	12	26	22	80	280	440	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