

Government College of Engineering, Karad

SCHEME OF INSTRUCTION & SYLLABI

Programme: B.Tech.Mechanical Engineering

Scheme of Instructions: First Year B. Tech. in Mechanical 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	ME3102	Applied Physics	3	-	-	3	3	20	20	60	100
2	PCC	ME3103	Basic Mechanical Engineering	3	-	-	3	3	20	20	60	100
3	ESC	ME3104	Applied Mechanics	3	-	-	3	3	20	20	60	100
4	ESC	ME3105	Design Thinking	1	-	2	3	2	-	50	-	50
5	BSC	ME3106	Applied Physics Lab	-	-	2	2	1	-	25	-	25
6	PCC	ME3107	Basic Mechanical Engineering Lab	-	-	2	2	1	-	50	25	75
7	HSSM	ME3108	Professional Communication Skills	1	-	2	3	2	-	50	25	75
8	ESC	ME3109	Applied Mechanics Lab	-	-	2	2	1	-	25	-	25
9	CCA	ME3110	Yoga	-	-	2	2	1	-	50	-	50
10	VSEC	MS3112	Maker Space Lab-I	-	-	4	4	2	-	75	25	100
11	BSC	ME3113	Applied Mathematics - I	3	-	-	3	3	20	20	60	100
			Total	14	0	16	30	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 Sem performance)

Course Category	Basic Science Courses (BSC)	Engineering Science Courses (ESC)	Programme Core Course (PCC)	Programme Elective Course (PEC)	Open Elective other than particular (OE/MDM)	Vocational and Skill Enhancement Course (VSEC)	Humanities Social Science and Management (HSSM)	Experiential Learning (EL)	Co-curricular And Extracurricular Activities (CCA)
Credits	07	6	4	-	-	02	02	-	01
Cumulative Sum	07	6	4	-	-	02	02	-	01

PROGRESSIVE TOTAL CREDITS: 22

Government College of Engineering, Karad

SCHEME OF INSTRUCTION & SYLLABI

Programme: B.Tech. Mechanical Engineering

Scheme of Instructions: First Year B. Tech. in Mechanical 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	ME3201	Applied Mathematics - II	3	1	-	4	4	20	20	60	100
2	BSC	ME3202	Applied Chemistry	3	-	-	3	3	20	20	60	100
3	ESC	ME3203	Engineering Graphics	3	-	-	3	3	20	20	60	100
4	ESC	ME3204	Basic Electrical & Electronics	3	-	-	3	3	20	20	60	100
5	HSSM	ME3205	Indian Knowledge Systems (MOOC)	-	-	-	-	2	-	-	100	100
6	ESC	ME3206	Programming For Problem Solving	2	-	-	2	2	20	20	60	100
7	BSC	ME3207	Applied Chemistry Lab	-	-	2	2	1	-	25	-	25
8	CCA	ME3210	NCC/NSS/CSP/E-Cell	-	-	2	2	1	-	50	-	50
9	VSEC	MS3212	Maker Space Lab-II	-	-	4	4	2	-	50	50	100
10	ESC	ME3213	Engineering Graphics Lab	-	-	2	2	1	-	25	-	25
			Total	14	1	10	27	22	100	250	450	800

L	Lecture
T	Tutorial
P	Practical

MSE	Mid Semester Examination
ISE	In Semester Evaluation
ESE	End Semester Examination (For Laboratory End Sem performance)

Course Category	Basic Science Courses (BSC)	Engineering Science Courses (ESC)	Programme Core Course (PCC)	Programme Elective Course (PEC)	Open Elective other than particular (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	9	-	-	-	02	02	-	01
Cumulative Sum	15	15	04	-	-	04	04	-	02

PROGRESSIVE TOTAL CREDITS: 22+22 =44