

# Government College of Engineering, Karad

## SCHEME OF INSTRUCTION & SYLLABI

### Programme: Electronics & Telecommunication Engineering

Proposed Scheme of Instructions: First Year B. Tech. in Electronics & Telecommunication 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	EX3101	Engineering Chemistry	3	--	--	3	3	20	20	60	100
2	BSC	EX3102	Matrix Algebra and Calculus	3	1	--	4	4	20	20	60	100
3	ESC	EX3103	Basic Electrical & Electronics Engineering	3	--	--	3	3	20	20	60	100
5	ESC	EX3105	Design Thinking	2	--	--	2	2	-	50	-	50
6	BSC	EX3106	Engineering Chemistry Laboratory	--	--	2	2	1	-	25	25	50
7	ESC	EX3108	Programming for problem Solving Laboratory	1	--	2	3	2	-	50	25	75
8	HSSM	EX3109	Professional Communication Skills	1	--	2	3	2	-	50	25	75
9	CCA	EX3111	Yoga	--	--	2	2	1	-	50	-	50
10	VSEC	MS3112	Maker Space Lab-I	--	--	4	4	2	-	75	25	100
11	ESC	EX3113	Engineering Graphics Laboratory	1	--	2	3	2	-	50	50	100
<b>Total</b>				<b>15</b>	<b>1</b>	<b>12</b>	<b>28</b>	<b>22</b>	60	410	330	800

L- Lecture

T-Tutorial

P-Practical

MSE- Mid Semester Examination

ISE/CA- In Semester Evaluation/Continuous Assessment

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)
<b>Credits</b>	<b>08</b>	<b>09</b>	-	-	-	<b>02</b>	<b>02</b>	-	<b>01</b>
<b>Cumulative Sum</b>	<b>08</b>	<b>09</b>	-	-	-	<b>02</b>	<b>02</b>	-	<b>01</b>

**PROGRESSIVE TOTAL CREDITS: 00+22 =22**

# Government College of Engineering, Karad

## SCHEME OF INSTRUCTION & SYLLABI

### Programme: Electronics & Telecommunication Engineering

Proposed Scheme of Instructions: First Year B. Tech. in Electronics & Telecommunication 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	EX3201	Engineering Physics	3	--	--	3	3	20	20	60	100
2	BSC	EX3202	Differential and Integral Calculus	3	1	--	4	4	20	20	60	100
3	ESC	EX3203	Engineering Mechanics	3	--	--	3	3	20	20	60	100
4	PCC	EX3204	Transducers & Measurement	3	--	--	3	3	20	20	60	100
5	HSSM	EX3205	Indian Knowledge Systems (MOOC)	--	--	--	--	2	-	-	-	100
6	BSC	EX3206	Engineering Physics Laboratory	--	--	2	2	1	-	25	25	50
7	ESC	EX3207	Data structure with C++	2	--	2	4	3	-	50	50	100
8	CCA	EX3209	NCC/NSS/CSP/E-Cell	--	--	2	2	1	-	50	-	50
9	VSEC	MS3212	Maker Space Lab-II	-	--	4	4	2	-	50	50	100
<b>Total</b>				<b>14</b>	<b>1</b>	<b>10</b>	<b>25</b>	<b>22</b>	<b>80</b>	<b>255</b>	<b>365</b>	<b>800</b>

L- Lecture

T-Tutorial

P-Practical

MSE- Mid Semester Examination

ISE/CA- In Semester Evaluation/Continuous Assessment

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)
<b>Credits</b>	<b>08</b>	<b>06</b>	<b>03</b>	-	-	<b>02</b>	<b>02</b>	-	<b>01</b>
<b>Cumulative Sum</b>	<b>16</b>	<b>15</b>	<b>03</b>	-	-	<b>04</b>	<b>04</b>	-	<b>02</b>

**PROGRESSIVE TOTAL CREDITS: 22+22 =44**