

# Government College of Engineering, Karad

## SCHEME OF INSTRUCTION & SYLLABI

Programme: Electronics & Telecommunication Engineering

Proposed Scheme of Instructions: Final Year B. Tech. in Electronics & Telecommunication Engineering

Semester – VII (Mode-1-Academic) (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	PCC	EX3701	VLSI Design	3	--	--	3	3	20	20	60	100
2	PCC	EX3702	Fiber Optics & Optical Network	3	--	--	3	3	20	20	60	100
3	EL	RM3703	Research Methodology	3	--	--	3	3	20	20	60	100
4	PEC	EX37*4	Industrial /Program Elective -03	2	--	--	2	2	20	20	60	100
5	PEC	EX37*5	Program Elective -04	2	--	--	2	2	20	20	60	100
6	MDM	##	Multi-Disciplinary Minor -05	2	--	--	2	2	20	20	60	100
7	PCC	EX3707	Fiber Optics & Optical Network Lab	--	--	2	2	1	-	25	--	25
8	PCC	EX3708	VLSI Design Lab	--	--	2	2	1	--	25	25	50
9	PEC	EX37*9	Industrial /Program Elective -03 Laboratory	--	--	2	2	1	--	25	--	25
10	EL	EX3710	Major Project	--	--	8	8	4	-	50	50	100
<b>Total</b>				<b>15</b>	<b>0</b>	<b>14</b>	<b>29</b>	<b>22</b>	<b>120</b>	<b>245</b>	<b>435</b>	<b>800</b>

##: - Any course offered from Dept./Inst. Level MDM buckets.

L- Lecture, T-Tutorial, P-Practical, MSE- Mid Semester Examination, ISE- In Semester Evaluation, ESE- End Semester Examination (For Laboratory End Semester performance)



BoS -Chairman  
E&TC Department

Course Category	Basic Science Courses (BSC)	Engineering Science Courses (ESC)	Programme Core Course (PCC)	Programme Elective Course (PEC)	Open Elective other than a 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	05	02	-	-	7	-
Cumulative Sum	16	16	53	17	20	08	12	10	02

**PROGRESSIVE TOTAL CREDITS: 132+22 =154**

**Note:**

- 1: Students must choose either Mode 1 or Mode 2 at the beginning of Semester VII.
- 2: Mode-1 students are permitted to enroll in MOOC courses of Semester VIII during Semester VII with prior approval of the respective Head of Department. The results of these MOOC courses will be considered in Semester VIII.

## Government College of Engineering, Karad

### SCHEME OF INSTRUCTION & SYLLABI

Programme: Electronics & Telecommunication Engineering

Proposed Scheme of Instructions: Final Year B. Tech. in Electronics & Telecommunication Engineering

Semester – VII (Mode-2-Internship) (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	PEC	EX3711	MOOC – I	-	-	-	--	3	-		100	100
2	PEC	EX3712	MOOC – II	-	-	-	--	3	-		100	100
3	EL	EX3713	Internship	--	--	--	-	12	-	250	250	500
4	MDM	##	Multi-disciplinary Minor – 05	-	--	--	--	2	20	20	60	100
<b>Total</b>				<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>20</b>	<b>270</b>	<b>510</b>	<b>800</b>

##: - Any course offered from Dept./Inst. Level MDM bucket. 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 a 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	-	-	00	06	02	-	-	12	-
Cumulative Sum	16	16	45	18	20	08	12	15	02

**PROGRESSIVE TOTAL CREDITS: 132+20 =152**

**Note:**

- 1: Students must choose either Mode 1 or Mode 2 at the beginning of Semester VII.
- 2: For MDM 5 Internship mode students, lectures will be conducted online (with the flexibility of sharing recorded lectures) while MSE & ESE evaluation will be in offline mode.



BoS -Chairman  
E&TC Department

# Government College of Engineering, Karad

## SCHEME OF INSTRUCTION & SYLLABI

Programme: Electronics & Telecommunication Engineering

Proposed Scheme of Instructions: Final Year B. Tech. in Electronics & Telecommunication Engineering

Semester – VIII (**Mode-2-Academic**) (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	PCC	EX3801	VLSI Design	3	--	--	3	3	20	20	60	100
2	PCC	EX3802	Fiber Optics & Optical Network	3	--	--	3	3	20	20	60	100
3	EL	RM3803	Research Methodology	3	--	--	3	3	20	20	60	100
4	PEC	EX38*4	Industrial /Program Elective -03	2	--	--	2	2	20	20	60	100
5	PEC	EX38*5	Program Elective -04	2	--	--	2	2	20	20	60	100
6	MDM	##	Multi-Disciplinary Minor -06	2	--	--	2	2	20	20	60	100
7	PCC	EX3807	Fiber Optics & Optical Network Lab	--	--	2	2	1	-	25	--	25
8	PCC	EX3808	VLSI Design Lab	--	--	2	2	1	--	25	25	50
9	PEC	EX38*9	Industrial /Program Elective -03 Laboratory	--	--	2	2	1	--	25	--	25
10	EL	EX3810	Major Project	--	--	8	8	4	-	50	50	100
<b>Total</b>				<b>15</b>	<b>0</b>	<b>14</b>	<b>29</b>	<b>22</b>	<b>120</b>	<b>245</b>	<b>435</b>	<b>800</b>

##: - Any course offered from Dept./Inst. Level MDM buckets. 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 a 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>05</b>	<b>02</b>	-	-	<b>07</b>	-
<b>Cumulative Sum</b>	<b>16</b>	<b>16</b>	<b>53</b>	<b>29</b>	<b>22</b>	<b>08</b>	<b>12</b>	<b>22</b>	<b>02</b>

**PROGRESSIVE TOTAL CREDITS: 152+22 =174**

  
 BoS -Chairman  
 E&TC Department

# Government College of Engineering, Karad

## SCHEME OF INSTRUCTION & SYLLABI

Programme: Electronics & Telecommunication Engineering

Proposed Scheme of Instructions: Final Year B. Tech. in Electronics & Telecommunication Engineering

Semester – VIII (**Mode-I-Internship**) (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	PEC	EX3811	MOOC - I	-	-	-		3			100	100
2	PEC	EX3812	MOOC - II	-	-	-		3			100	100
3	EL	EX3813	Internship	--	--	--	-	12	-	250	250	500
4	MDM	##	Multi-disciplinary Minor – 06	--	--	--	--	2	20	20	60	100
<b>Totall</b>				<b>0</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>20</b>	<b>20</b>	<b>270</b>	<b>510</b>	<b>800</b>

## :- Any course offered from Dept./Inst. Level MDM buckets. 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)
<b>Credits</b>	-	-	<b>00</b>	<b>06</b>	<b>02</b>	-	-	<b>12</b>	-
<b>Cumulative Sum</b>	<b>16</b>	<b>16</b>	<b>53</b>	<b>24</b>	<b>22</b>	<b>08</b>	<b>12</b>	<b>22</b>	<b>02</b>

**PROGRESSIVE TOTAL CREDITS: 154+20 =174**

### Note:

For MDM 6 Internship mode students, lectures will be conducted online (with the flexibility of sharing recorded lectures), while MSE & ESE evaluations will be in offline mode.



BoS -Chairman  
E&TC Department