

Government College of Engineering, Karad

SCHEME OF INSTRUCTION & SYLLABI

Programme : IT and E & TC (Physics group)

Scheme of Instruction for First Year of B. Tech. (UG) Degree in all Programmes

Semester – I

Mandatory 03-week Induction Program in the first semester for every student.

Sr. No.	Course Category	Course Code	Course Title	L	T	P	Contact Hrs/Wk	Credits	EXAM SCHEME				
									CT1	CT2	TA/CA	ESE	TOTAL
1	BSC	FE1101	Mathematics – I	3	1	-	4	4	15	15	10	60	100
2	BSC	FE1102	Physics	3	1	-	4	4	15	15	10	60	100
3	ESC	FE1103	Programming for Problem Solving	3	-	-	3	3	15	15	10	60	100
4	ESC	FE1104	Engineering Graphics and Design	1	-	-	1	1	-	-	50	-	50
5	BSC	FE1105	Physics Lab	-	-	2	2	1	-	-	25	25	50
6	ESC	FE1106	Programming for Problem Solving Lab	-	-	4	4	2	-	-	50	50	100
7	ESC	FE1107	Engineering Graphics and Design Lab	-	-	4	4	2	-	-	50	50	100
Total				10	02	10	22	17	45	45	205	305	600

L- Lecture T-Tutorial

P-Practical

CT1- Class Test 1

TA/CA- Teacher Assessment/Continuous Assessment

CT2- Class Test 2

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

Course Category	HSMC (Hum., So. Sc, Mgmt.)	BSC (Basic Sc.)	ESC (Engg. Sc.)	PCC (Programme Core courses)	PEC (Programme Elective courses)	OEC (Open Elective courses)	MCC (Mandatory Courses)	Project / Seminar / Industrial Training
Credits	--	9	8	--	--	--	--	--
Cumulative Sum	--	9	8	--	--	--	--	--

TOTAL CREDITS=17

Government College of Engineering, Karad

SCHEME OF INSTRUCTION & SYLLABI

Programme : Civil, Mechanical and Electrical (Chemistry group)

Scheme of Instruction for First Year of B. Tech. (UG) Degree in all Programmes

Semester – I

Mandatory 03-week Induction Program in the first semester for every student.

Sr. No.	Course Category	Course Code	Course Title	L	T	P	Contact Hrs/Wk	Credits	EXAM SCHEME				
									CT1	CT2	TA/CA	ESE	TOTAL
1	BSC	FE1101	Mathematics – I	3	1	-	4	4	15	15	10	60	100
2	BSC	FE1202	Chemistry	3	1	-	4	4	15	15	10	60	100
3	ESC	FE1203	Engineering Mechanics	3	1	-	4	4	15	15	10	60	100
4	HSMC	FE1204	Professional Communication	2	-	-	2	2	15	15	10	60	100
5	BSC	FE1205	Chemistry – I Lab	-	-	2	2	1	-	-	25	25	50
6	ESC	FE1206	Engineering Mechanics Lab	-	-	2	2	1	-	-	50	50	100
7	ESC	FE1207	Workshop Manufacturing Practices	-	-	4	4	2	-	-	50	50	100
9	HMSC	FE1208	Professional Communication Lab	-	-	2	2	1	-	-	-	-	-
10	ESC	FE1209	Basic Engineering	3	-	-	3	1	-	-	-	50	50
			Total	14	03	10	27	20	60	60	165	415	700

L- Lecture T-Tutorial

P-Practical

CT1- Class Test 1

TA/CA- Teacher Assessment/Continuous Assessment

CT2- Class Test 2

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

Course Category	HSMC (Hum., So. Sc, Mgmt.)	BSC (Basic Sc.)	ESC (Engg. Sc.)	PCC (Programme Core courses)	PEC (Programme Elective courses)	OEC (Open Elective courses)	MCC (Mandatory Courses)	Project / Seminar / Industrial Training
Credits	03	09	08	--	--	--	--	--
Cumulative Sum	03	18	16	--	--	--	--	--

TOTAL CREDITS = 20

Government College of Engineering, Karad

SCHEME OF INSTRUCTION & SYLLABI

Programme : (Physics group)

Scheme of Instruction for First Year of B. Tech. (UG) Degree in all Programmes

Semester – II

Sr. No.	Course Category	Course Code	Course Title	L	T	P	Contact Hrs/Wk	Credits	EXAM SCHEME				
									CT1	CT2	TA/CA	ESE	TOTAL
1	BSC	FE1201	Mathematics – II	3	1	-	4	4	15	15	10	60	100
2	BSC	FE1202	Chemistry	3	1	-	4	4	15	15	10	60	100
3	ESC	FE1203	Engineering Mechanics	3	1	-	4	4	15	15	10	60	100
4	HSMC	FE1204	Professional Communication	2	-	-	2	2	15	15	10	60	100
5	BSC	FE1205	Chemistry – I Lab	-	-	2	2	1	-	-	25	25	50
6	ESC	FE1206	Engineering Mechanics Lab	-	-	2	2	1	-	-	50	50	100
7	ESC	FE1207	Workshop Manufacturing Practices	-	-	4	4	2	-	-	50	50	100
9	HMSC	FE1208	Professional Communication Lab	-	-	2	2	1	-	-	-	-	-
10	ESC	FE1209	Basic Engineering	3	-	-	3	1	-	-	-	50	50
			Total	14	03	10	27	20	60	60	165	415	700

L- Lecture T-Tutorial

P-Practical

CT1- Class Test 1

TA/CA- Teacher Assessment/Continuous Assessment

CT2- Class Test 2

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

Course Category	HSMC (Hum., So. Sc, Mgmt.)	BSC (Basic Sc.)	ESC (Engg. Sc.)	PCC (Programme Core courses)	PEC (Programme Elective courses)	OEC (Open Elective courses)	MCC (Mandatory Courses)	Project / Seminar / Industrial Training
Credits	03	09	08	--	--	--	--	--
Cumulative Sum	03	18	16	--	--	--	--	--

TOTAL CREDITS=17+20=37

Government College of Engineering, Karad

SCHEME OF INSTRUCTION & SYLLABI

Programme : ALL (Chemistry group)

Scheme of Instruction for First Year of B. Tech. (UG) Degree in all Programmes

Semester – II

Sr. No.	Course Category	Course Code	Course Title	L	T	P	Contact Hrs/Wk	Credits	EXAM SCHEME				
									CT1	CT2	TA/CA	ESE	TOTAL
1	BSC	FE1201	Mathematics – II	3	1	-	4	4	15	15	10	60	100
2	BSC	FE1102	Physics	3	1	-	4	4	15	15	10	60	100
3	ESC	FE1103	Programming for Problem Solving	3	-	-	3	3	15	15	10	60	100
4	ESC	FE1104	Engineering Graphics and Design	1	-	-	1	1	-	-	50	-	50
5	BSC	FE1105	Physics Lab	-	-	2	2	1	-	-	25	25	50
6	ESC	FE1106	Programming for Problem Solving Lab	-	-	4	4	2	-	-	50	50	100
7	ESC	FE1107	Engineering Graphics and Design Lab	-	-	4	4	2	-	-	50	50	100
8				-	-	-	-	-	-	-	-	-	-
			Total	10	02	10	22	17	45	45	205	305	600

L- Lecture T-Tutorial P-Practical

CT1- Class Test 1

TA/CA- Teacher Assessment/Continuous Assessment

CT2- Class Test 2

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

Course Category	HSMC (Hum., So. Sc, Mgmt.)	BSC (Basic Sc.)	ESC (Engg. Sc.)	PCC (Programme Core courses)	PEC (Programme Elective courses)	OEC (Open Elective courses)	MCC (Mandatory Courses)	Project / Seminar / Industrial Training
Credits	--	9	8	--	--	--	--	--
Cumulative Sum	--	9	8	--	--	--	--	--

TOTAL CREDITS= 20+17 = 37