Government College of Engineering, Karad

SCHEME OF INSTRUCTION & SYLLABI

Programme: Civil Engineering

First Year M. Tech. in Civil Engineering (Construction Management – I Semester)

Sr. No.	Course Category	Course Code	Course Title	L	T	P	Contact Hrs / Week	Course Credits	EXAM SCHEME				
									CT-1	CT-2	TA/ CA	ESE	TOTAL
1	PC - I	CM 1101	Construction Project Management	3	-	-	3	3	15	15	10	60	100
2	PC - II	CM 1102	Construction Equipment	3	-	-	3	3	15	15	10	60	100
3	PCE - I	CM 1113	Computational Methods and Optimization Techniques	3	-	-	3	3	15	15	10	60	100
		CM1123	Human Resource Development in Construction										
4	PCE - II	CM 1114	Advanced Construction Techniques	3	-	-	3	3	15	15	10	60	100
		CM 1124	Repair and Rehabilitation of Structures										
		CM 1134	Ground Improvement Techniques										
5	MLC	RM 1105	Research Methodology	2	-	-	2	2	15	15	10	60	100
6	PC Lab I	CM 1106	Construction Project Management Laboratory	-	-	2	4	2	-	-	25	25	50
7	PC Lab II	CM 1107	Construction Equipment Laboratory	-	-	2	4	2	-	-	25	25	50
8	OEC	OE 1118	Business Analytics	3	-	-	3	3	15	15	10	60	100
		OE 1128	Industrial Safety										
		OE 1138	Operations Research										
		OE 1148	Cost Management of Engineering Projects										
		OE 1158	Composite Materials										
		OE 1168	Waste to Energy										
9	Audit	CM 11*9	Audit Course - I	2	-	-	2	Audit	-	-	-	-	-
			Total	19	00	04	27	21	90	90	110	410	700

Government College of Engineering, Karad

SCHEME OF INSTRUCTION & SYLLABI

Programme: Civil Engineering

First Year M. Tech. in Civil Engineering (Construction Management – II Semester)

Sr. No.	Course Category	Course Code	Course Title	L	T	P	Contact Hrs / Week	Course Credits	CT-1	CT-2	TA/ CA	ESE	TOTAL
1	PC III	CM 1201	Project Economics and Financing	3	-	-	3	3	15	15	10	60	100
2	PC IV	CM 1202	Construction Methods and Techniques	3	-	-	3	3	15	15	10	60	100
3	PCE III	CM 1213	Construction Contracts and Legal Aspects	3	-	-	3	3	15	15	10	60	100
		CM 1223	Advanced Construction Materials & Building Services										
4	PCE IV	CM 1214	Cost Management of Engineering Projects	3	-	-	3	3	15	15	10	60	100
		CM 1224	Operations Research										
		CM 1234	MIS for Construction Management										
5	PEC V	CM 1215	Entrepreneurship in Construction	3	-	-	3	3	15	15	10	60	100
		CM 1225	Environmental Impact Assessment										
6	MP/IT	CM 1206	Mini Project/ Industrial Training	2	-	-	2	2	-	-	50	50	100
7	PC Lab III	CM 1207	Project Economics and Financing Laboratory	-	-	2	4	2	-	-	25	25	50
8	PC Lab IV	CM 1208	Construction Methods and Techniques Laboratory	-	-	2	4	2	-	-	25	25	50
9	Audit 2	CM 12*9	Audit Course - II	2	-	-	2	Audit	-	-	-	-	-
			Total	19	00	04	27	21	75	75	150	400	700

Government College of Engineering, Karad

SCHEME OF INSTRUCTION & SYLLABI

Programme: Civil Engineering

Second Year M. Tech. in Civil Engineering (Construction Management – III Semester)

Sr. No.	Course Category	Course Code	Course Title	L	T	P	Contact Hrs / Week	Course Credits	EXAM SCHEME				
									CT-1	CT-2	TA/CA	ESE	TOTAL
1	DP I	CM 1301	Dissertation Phase I	-	-	12	24	10	-	-	100	100	200

Sr. No.	Course Category	Course Code	Course Title	L	T	P	Contact Hrs / Wk	Course Credits	EXAM SCHEME				
									CT-1	CT-2	TA/CA	ESE	TOTAL
1	DP II	CM1401	Dissertation Phase II	-	-	16	32	16	-	-	100	100	200

CT1- Class Test 1   CT2- Class Test 2   TA/CA- Teacher Assessment/Continuous Assessment

L- Lecture   T-Tutorial   P-Practical   ESE- End Semester Examination (For Laboratory End Semester Performance)

TA/CA- Teacher Assessment/Continuous Assessment

Course Category	PC	PCE	MLC	MP/IT	OE	DP I	DP II	Total
Credits	20	15	02	02	03	10	16	68

List of Audit Courses			
Audit-I		Audit-II	
Course Code	Course Title	Course Code	Course Title
CM 1117	English for Research Paper Writing	CM 1217	Constitution of India
CM 1127	Disaster Management	CM 1227	Pedagogy Studies
CM 1137	Sanskrit for Technical Knowledge	CM 1237	Stress Management by Yoga
CM 1147	Value Education	CM 1247	Personality Development through Life Enlightenment Skills.