

Government College of Engineering, Karad

SCHEME OF INSTRUCTION & SYLLABI

Programme: Electrical Engineering

Scheme of Instructions: Third Year B. Tech. in Electrical Engineering

Semester – V

विद्युत जावक क्र.- 661
दिनांक- 10/1/2023

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	OEC	EE2501	Microcontroller	3	-	-	3	3	15	15	10	60	100
2	PCC	EE2502	Electrical Machines II	3	-	-	3	3	15	15	10	60	100
3	PCC	EE2503	Power Systems II	3	-	-	3	3	15	15	10	60	100
4	PCC	EE2504	Control Systems	3	-	-	3	3	15	15	10	60	100
5	PEC	EE25*5	Elective – I	3	-	-	3	3	15	15	10	60	100
6	OEC	EE2506	Microcontroller Lab	-	-	2	2	1	-	-	25	25	50
7	PCC	EE2507	Electrical Machines II Lab	-	-	2	2	1	-	-	25	25	50
8	PCC	EE2508	Power Systems II Lab	-	-	2	2	1	-	-	25	25	50
9	PCC	EE2509	Software Lab-II	-	-	2	2	1	-	-	25	25	50
10	P/S/IT	EE2510	Mini Project	-	-	2	2	1	-	-	25	25	50
11	P/S/IT	EE2511	Technical Training & Technical Presentation	-	1	-	1	1	-	-	50	-	50
Total				15	01	10	26	21	75	75	225	425	800

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 (Hhon., Sec. Sc., Mgmt.)	BSC (Basic Sc.)	ESC (Engg. Sc.)	PCC (Programme Core courses)	PEC (Programme Elective courses)	OEC (Open Elective courses from other discipline)	MCC (Mandatory Courses)	Project / Seminar / Industrial Training
Credits	--	--	--	12	03	04	--	02
Cumulative Sum	06	22	27	29	03	04	Yes	03

PROGRESSIVE TOTAL CREDITS : 77+21= 98

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SCHEME OF INSTRUCTION & SYLLABI
 Programme: Electrical Engineering
 Scheme of Instructions: Third Year B. Tech. in Electrical Engineering
 Semester – VI

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	HSMC	EE2601	Economics for Engineers	3	-	-	3	3	15	15	10	60	100
2	OEC	EE2602	Internet of Things	3	-	-	3	3	15	15	10	60	100
3	PEC	EE2603	Elective – II	3	-	-	3	3	15	15	10	60	100
4	PCC	EE2604	Power Electronics	3	-	-	3	3	15	15	10	60	100
5	PCC	EE2605	Electrical Machine Design	3	-	-	3	3	15	15	10	60	100
6	OEC	EE2606	Internet of Things Lab	-	-	2	2	1	-	-	25	25	50
7	PCC	EE2607	Power Electronics Lab	-	-	2	2	1	-	-	25	25	50
8	PCC	EE2608	Electrical Machine Design Lab	-	-	2	2	1	-	-	50	50	100
9	PCC	EE2609	Electrical Workshop Lab	-	-	2	2	1	-	-	25	25	50
10	HSMC	EE2610	Technical Presentation	-	1	-	1	1	-	-	50	-	50
			Total	15	01	08	24	20	75	75	225	425	800

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., Soc. Sc., Mgmt.)	BSC (Basic Sc.)	ESC (Engg. Sc.)	PCC (Programme Core courses)	PEC (Programme Elective courses)	OEC (Open Elective courses from other disciplines)	MCC (Mandatory Courses)	Project / Seminar / Industrial Training
Credits	04	--	--	09	03	04	--	--
Cumulative Sum	10	22	27	38	06	12	Yes	03

PROGRESSIVE TOTAL CREDITS :98+20=118

Submitted to dean academics . .

List of Electives to be offered for V and VI Semester

Verticals	Advanced Power System		Advanced Electrical Modelling		Industrial Control & Atomization		Energy & Utilization	
Elective - I	EE 2515	EHVAC Transmission	EE 2525	Electromagnetics	EE 2535	Optimization Techniques	EE2545	Electrical Utilization and Traction
Elective - II	EE2613 ✓	HVDC Transmission	EE2623 EE 2653 ✓	Network Synthesis	EE2633 EE 2663 ✓	Digital Control System	EE2643 ✓	Renewable Energy Sources

Please note the ^{corrected} course codes for electives of TY (EE4).

Request for NA for MIS updates & website updates.

[Signature]
10/11/23

PROFESSOR
Department Of Electrical Engineering
Government College Of Engineering, Karad

