

CO115

Subject Code & Name : GE8261 Engineering Practices laboratory

Department: ECE

After successful completion of the course, the students should be able to

Course Outcome No.	Course Outcome
CO115.1	Identify Tools and Techniques used for Sheet Metal Fabrication
CO115.2	Use welding equipment to join the structures
CO115.3	Demonstrate Plumbing requirements of domestic buildings.
CO115.4	Apply the skills of basic electrical engineering for house wiring practice
CO115.5	Measure various electrical quantities
CO115.6	Explain the working of electronic components and its utilization
CO115.7	Apply electronic principles to develop circuits for primitive application
CO115.8	Exhibit ethical principles in engineering practices
CO115.9	Perform task as an individual and / or team member to manage the task in time
CO115.10	Express the Engineering activities with effective presentation and report.
CO115.11	Interpret the findings with appropriate technological / research citation.

CO & PO and PSO Mapping

Course No.	Level of CO	Program Outcomes											
		K3	K4	K4	K5	K3,K5,K6	A3	A2	A3	A3	A3	A3	A2
		PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12
CO115.1	K1	1	-	1	-	1	-	-	-	-	-	-	-
CO115.2	K3	3	2	-	-	-	-	-	-	-	-	-	-
CO115.3	K3	3	2	-	-	-	-	-	-	-	-	-	-
CO115.4	K3	3	2	2	1	3	-	-	-	-	-	-	-
CO115.5	K2	3	2	2	1	3	-	-	-	-	-	-	-
CO115.6	K3	2	1		1	2	-	-	-	2	2	2	-
CO115.7	K3	3	2	2	1	3	-	-	-	3	3	3	-
CO115.8	A3	-	-	-	-	-	-	-	3	-	-	-	-
CO115.9	A3	-	-	-	-	-	-	-	-	3	-	3	-
CO115.10	A3	-	-	-	-	-	-	-	-	-	3	-	-
CO115.11	A2	-	-	-	-	-	-	-	-	-	-	-	3

CO116

Subject Code & Name : EC8261 Circuits and Devices Laboratory

Department: ECE

After successful completion of the course, the students should be able to

Course Outcome No.	Course Outcome
CO116.1	Construct circuits by applying the theoretical knowledge gained in electron devices
CO116.2	Analyse the electrical characteristics of unipolar and bipolar devices with the constructed circuits
CO116.3	Observe and analyse thyristor characteristics
CO116.4	Observe and analyse the operation of positive, negative and combinational clippers
CO116.5	Observe and analyse the operation of half wave rectifier, full wave rectifier with and without capacitive filters
CO116.6	Understand the measurement of frequency using CRO
CO116.7	Verify the outcomes of KCL, KVL, Thevenin, Norton & Superposition theorems.
CO116.8	Exhibit ethical principles in engineering practices
CO116.9	Perform task as an individual and / or team member to manage the task in time
CO116.10	Express the Engineering activities with effective presentation and report.
CO116.11	Interpret the findings with appropriate technological / research citation.

CO & PO and PSO Mapping

Course No.	Level of CO	Program Outcomes											
		K3	K4	K4	K5	K3,K5,K6	A3	A2	A3	A3	A3	A3	A2
		PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12
CO116.1	K2	2	1	1	-	-	-	-	-	-	-	-	-
CO116.2	K3	3	2	2	-	-	-	-	-	-	-	-	-
CO116.3	K3	3	2	2	-	-	-	-	-	-	-	-	-
CO116.4	K3	3	2	2	-	-	-	-	-	-	-	-	-
CO116.5	K3	3	2	2	-	-	-	-	-	-	-	-	-
CO116.6	K2	2	1	1	-	-	-	-	-	-	-	-	-
CO116.7	K2	2	1	1	-	-	-	-	-	-	-	-	-
CO116.8	A3	-	-	-	-	-	-	-	3	-	-	-	-
CO116.9	A3	-	-	-	-	-	-	-	-	3	-	3	-
CO116.10	A3	-	-	-	-	-	-	-	-	-	3	-	-



Year/Sem: 1/2

	Highest Cognitive Level
	K2, A2
	K3, A2
	K3, A2
	A2
	A2

Program Specific Outcomes	
PSO-1	PSO-2
-	-
-	-
-	-
-	-
-	-



Year/Sem: 1/2

	Highest Cognitive Level
	K2
	K2
	K2
	K2
	K2

Program Specific Outcomes	
PSO-1	PSO-2
-	-
-	-
-	-
-	-
-	-



Year/Sem: 1/2

	Highest Cognitive Level
	K2
	K2
	K2
	K2
	K2

Program Specific Outcomes	
PSO-1	PSO-2
-	-
-	-
-	-
-	-
-	-



Year/Sem: 1/2

	Highest Cognitive Level
	K2
	K3
	K2
	K3
	K2

Program Specific Outcomes	
PSO-1	PSO-2
1	-
1	-
1	-
1	-
1	-

Year/Sem: 1/2

	Highest Cognitive Level
	K3
	K3
	K2
	K3
	K3

Program Specific Outcomes	
PSO-1	PSO-2
1	-
1	-
1	-
1	-
1	-

Year/Sem: 1/2

	Highest Cognitive Level
	K2
	K2
	K2
	K2
	K2

Program Specific Outcomes	
PSO-1	PSO-2
1	-
2	-
1	-
-	-
-	-

Year/Sem: 1/2

	Highest Cognitive Level
	K1
	K3
	K3
	K3
	K2
	K3
	K3
	A3
	A3
	A3
	A2

Program Specific Outcomes	
PSO-1	PSO-2
-	-
-	-
-	-
-	-
-	-
1	-
1	-
-	-
-	-
-	-
-	-

Year/Sem: 1/2

	Highest Cognitive Level
	K2
	K3
	K3
	K3
	K3
	K2
	K2
	A3
	A3
	A3
	A2

Program Specific Outcomes	
PSO-1	PSO-2
1	-
2	-
2	-
2	-
2	-
1	-
1	-
-	-
-	-
-	-

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