



# **Department of Electrical and Electronics Engineering**

#### COURSE MODULE OF THE COURSE TAUGHT FOR THE AY : 2024-2025

#### **Course Syllabus with CO's**

Faculty Member: Dr. SHAKUNTHALA C			Academic Year: 2024-2025						
Department: Ele	ectrical & Electronics E	ngineering							
Course Code	Course Title	Core/Elective	Prerequisite		itact H	Total Hrs/ Sessions			
BEEL358D	L358D Electrical Laboratory Elective- Ability Enhancement Course		Elements of Electrical Engineering	L	<u>т</u>	P 3	14 Sessionsx3 = 42 Hours		
Objectives	<ul><li>perform the per their cor</li><li>2. Provide unh</li><li>3. Vary difference</li></ul>	experiments/prog ivenience and repo- indered access to ent parameters to	s of teaching —learning p rammes at their own time, a eat any number of times to perform whenever the stude o study the behaviour of r injuring themselves.	at their unders ents wi	own tand t ish.	pace, a the con	tt any place as cept.		
<b>Topics</b> Covered	l as per Syllabus	• •	¥ ¥						
<ol> <li>Verific</li> <li>Measure</li> <li>Lamp.</li> <li>Evalua</li> <li>Measure</li> <li>Measure</li> <li>Measure</li> <li>Determ</li> <li>Two-W</li> <li>Measure</li> <li>Measure</li> <li>Determ</li> </ol> List of Text Boost Control of Control	te the loading effect of rement of Resistance us rement of Resistance an nination of Phase and Li Vay and Three-Way Con rement of Earth Resista nination of fuse character ooks Electrical Engineering_ ibutes: nowledge, Problem Ana	for AC Circuits. wer and Power Find Voltmeter of elect ing V-I method. Inductance of a ine quantities in the nation of Lamp and nce using fall of p eristics. Kulshresta	Choke coil using three volt ree-phase star and delta co Formation of Truth Table. otential method.	tmeter nnecte	metho d load	od. ls.	ngineer and		
Course Outcomes	At the end of the cours 1. Apply the Ki 2. Compare the 3. Identify the p 4. Compare the 5. Test for the course	se the student will rchhoff's Voltage current and powe parameters of a co power, phase, an earth resistance an	Law and Kirchhoff's Curre er factor of different lamp le il using a 3-voltmeter meth d line quantities in a star and d resistance of a sample by	nt Law bads ar od id delta	y for e nd cor	lectricantrol of	al circuits		
<ul> <li>The we The m deemed student</li> <li>Contin</li> <li>CIE mage continues</li> </ul>	tails (both CIE and SE eightage of Continuous inimum passing mark is d to have satisfied the t has to secure not less t nuous Internal Evaluat	EE) Internal Evaluation for the CIE is 40° academic require han 35% (18 Mark tion (CIE):	cteristics of a given fuse on (CIE) is 50% and for Ser % of the maximum marks ments and earned the cred cs out of 50) in the semeste The split-up of CIE marks	(20 m lits all r-end e	narks) otted exami	. A stu to eacl nation(	ident shall be h course. The (SEE).		

#### ATME COLLEGE OF ENGINEERING

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### **Department of Electrical and Electronics Engineering**

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e h • R e • T	Each experimen valuation of th andling the lab Record should control valuated for 10 Potal marks score	ne journ oratory contain marks. red by t	nal/writ session all the he stude	e-up fo and is specifie ents are	or hardy made k ed exper	ware/so nown to riments downeo	ftware studen in the d to 30 r	experin its at the syllabus narks ((	nents d e beginr s and ea 60% of	esigned ning of th ach exper maximu	by the f ne practic riment w	faculty w al sessior rite-up w	vho 1.
		age to be given for neatness and submission of record/write-up on time.											
		tment shall conduct 02 tests for 100 marks, the first test shall be conducted after the 8th week of the ter and the second test shall be conducted after the 14th week of the semester.											
		ch test, test write-up, conduction of experiment, acceptable result, and procedural knowledge will a weightage of 60% and the rest 40% for viva-voce.											
								's perfo	ormance	e and lear	ming abi	litv. Rubr	ics
	The suitable rubrics can be designed to evaluate each student's performance and learning ability. Rubrics suggested in Annexure-II of Regulation book												
	The average of 02 tests is scaled down to 20 marks (40% of the maximum marks).												
	The Sum of scaled-down marks scored in the report write-up/journal and average marks of two tests is the												
	otal CIE marks			student.									
	End Evaluation			Irea is 4	50 Marl	~ 0							
	SEE marks for the practical course is 50 Marks. SEE shall be conducted jointly by the two examiners of the same institute, examiners are appointed by												
	the University												
	All laboratory experiments are to be included for practical examination.												
	Breakup of mar									wer seri	nt to he s	trictly ad	here
te	by the exami xaminers.												
• S	tudents can pi xaminers jointl		questio	on (exp	eriment	t) from	the qu	estions	lot pre	pared by	y the int	ernal /ex	tern
	Evaluation of te		un/ cor	duction	nroce	tura and	1 rocult/	viva wi	11 be co	nducted	iointly by	vovomin	ore
	General rubrics												
6 n	0%, Viva-voce narks shall be s xaminers)	20% o	f maxii	num m	arks. Sl	EE for	practica	l shall	be eval	uated for	: 100 ma	rks and s	core
	Thange of expendence	riment i	s allow	ed only	once a	nd 15%	Marks	allotted	1 to the	procedu	re nart to	he made	zer
	The duration of				once a	iiu 1 <i>3</i> /0	mains	anono	. to the	Procedui	e par io	se made	201
	The Correlation				s (CO'	s) and l	Program	m Outc	omes (l	PO's)			
Course Code:	BEEL358D	TITL	TITLE: Electrical Hardware Laboratory       Faculty Member: Dr.         SHAKUNTHALA C										
List of		Program Outcomes											
Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
CO-1	3	2	-	-	-	-	-	-	2	3	-	2	
CO-2	2	2	-	-	-	-	-	-	2	3	-	2	
CO-3	3	2	-	-	-	-	-	-	2	3	-	2	
CO-4	2	2	-	-	-	-	-	-	2	3	-	2	
CO-5	2	2	-	-	-	-	-	-	2	3	-	2	

**Note:** 3 = Strong Contribution

3

CO-6

2

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3 1= Weak Contribution -= No 2

2

Contribution

<sup>2 =</sup> Average Contribution





## **Department of Electrical and Electronics Engineering**

Course Code:	BEEL358D	TITLE: Electrical Hardware Laboratory	Faculty Member: Dr. SHAKUNTHALA C					
List of Course	Program Specific Outcomes							
Outcomes		PSO1	PSO2					
CO-1		2	-					
CO-2		2	-					
CO-3		2	-					
CO-4		2	-					
CO-5		2	-					
CO-6		2	-					

The Correlation of Course Outcomes (CO's) and Program Specific Outcomes (PSO's)

**Note:** 3 = Strong Contribution 2 = Average Contribution 1 = Weak Contribution - = No

Contribution