Department of Electronics and Communication Engineering NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI

	T			Series repaired.		
Course Title	Electronic Circuits Laboratory					
Course Code	No. of		2			
Department	ECE	Faculty	Dr. R. Pa	ndeeswari		
Pre-requisites Course Code	ECLR12					
Course Coordinator(s) (if, applicable)	Dr. R. Pandeeswari					
Other Course Teacher(s)/Tutor(s)	1 200 TO	E-mail/Telephone	e rpands	@nitt.edu		
E-mail		No.	0431-25			
Course Type	Laboratory course					
	201 101 101					
COURSE OVERVIEW						
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To expose the students to the f	undament	als of electronic cir	cuits			
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To expose the students to the f COURSE OUTCOMES (CO)	undament Outcome		cuits	Aligned Programme Outcomes(PO)		
To expose the students to the f COURSE OUTCOMES (CO)	Outcome	es		Programme		
To expose the students to the f COURSE OUTCOMES (CO) Course	Outcome	es and analyze the rip	ple factor	Programme		
To expose the students to the f COURSE OUTCOMES (CO) Course 1. To design full wave rectifier w	Outcome with filters oint for va	and analyze the rip	ple factor	Programme		
To expose the students to the f COURSE OUTCOMES (CO) Course 1. To design full wave rectifier w 2. To analyze the stability of Q po	Outcome with filters oint for va	and analyze the riparious biasing methor	ple factor			

S. No. Week		Topic	Mode of Delivery	
1.	First week of January (3 Contact Hours)	Introduction to the Lab course		
2.	Second week of January 2. (3 Contact Hours) Full wave rectifier with filters			
3.	Third week of January (3 Contact Hours) Stability of Q point			
4.	4. Fourth week of January (3 Contact Hours) Single stage RC coupled CE amplifier			
5.	First week of February (3 Contact Hours)	Single stage RC coupled current series CE feedback amplifier	a .,	
6.		Redo Class		
7.	Third week of February (3 Contact Hours)	Darlington emitter follower		
8.	Fourth week of February (3 Contact Hours)	Differential Amplifier		
9.	First week of March (3 Contact Hours)	Single stage CS FET amplifier		
10.	Second week of March (3 Contact Hours)	RI phase shift escallator		
11.	Third week of March (3 Contact Hours)	Colpitt's Oscillator	T	
12.		Redo Class		
13.	First week of April (3 Contact Hours)	Pspice Simulation		
14.	Second week of April (3 Contact Hours)	Assessment II	Quiz(Written test)	
15	Third week of April (3 Contact Hours) Assessment III		Lab Exam	

COURSE ASSESSMENT METHODS

S.No.	Mode of Assessment	Week/Date	Duration	% Weightage
1.	ASSESSMENT-I (Continuous evaluation)	Entire course duration	60minutes	50
2.	ASSESSMENT-II (Quiz-written type)	2 nd week of April	30 minutes	25
3.	ASSESSMENT-III (Lab Exam)	4 th week of April	2 hours	25

ESSENTIAL READINGS:

1. Electronic Circuits Lab Manual

COURSE EXIT SURVEY

- 1. Feedback from the students during class committee meeting.
- 2. Queries through questionnaire.
- 3. Course Attainment is calculated through Direct tools (Exams)

COURSE POLICY

Correspondence:

- 1. All the students are advised to come to class regularly. All the correspondence (schedule of classes/schedule of assessment/course material/any other information regarding this course) will be intimated in the class / over phone.
- 2. Queries (if required) to the course teacher shall be emailed to the email id specified.

Attendance:

- 1. Attendance will be taken by the faculty in all the contact hours. Every student should maintain minimum 75 % physical attendance (on other duty will not be considered) in these contact hours to attend the end semester examination.
- 2. Any student, who fails to maintain the min.mum 75% attendance but has attendance between 50% and 75%, will be eligible for attending the end semester examination provided if he/she appears for the compensation assessment (CPA) and scores more than 60 % marks in the CPA. Otherwise, they will have to REDO the course.

3. Students having attendance less than 50% at the end of the semester will have to RE DO the course.

Assessment:

- 1. Attending all the assessments is MANDATORY for every student.
- 2. If any student is not able to attend either one or both of the continuous assessments I & III due to genuine reason, student is permitted to attend the compensation assessment (CPA) with only 20 % weightage for both the cases.
- 3. At any case, CPA will not be considered as an improvement test.
- 4. If any student is not able to attend the End semester due to genuine reason with valid attestation, student is permitted to take up FORMATIVE ASSESSMENT.
- 5. Finally, every student is expected to score minimum 35% of the mark of the class in the total assessment (1, 2, 3 and end semester) to pass the course. Otherwise the student would be declared fail and 'F' grade will be awarded. Further the student can take up only FORMATIVE ASSESSMENT.

ADDITIONAL COURSE INFORMATION

Queries and feedback may also be emailed to the Course Faculty directly at rpands@nitt.edu

FOR SENATE'S CONSIDERATION

Course Faculty Dr. R. Pandeeswari CC-Chairperson

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