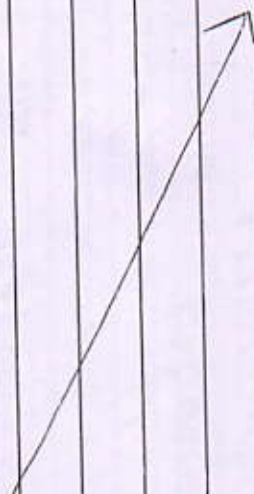


# SIDDHARTH INSTITUTE OF ENGG. & TECHNOLOGY, KORAPUT

## LESSON PLAN

DISCIPLINE:	SEMESTER : 5 <sup>th</sup>	NAME OF TEACHING FACULTY: Monalisa Hati	TO DATE: 30/09/2022
SUBJECT: EM&ST	NO. OF DAYS/PER WEEK CLASS ALLOTTED: 4	SEMESTER FROM DATE: 15/09/2022	
WEEK	CLASS DAY	NO. OF WEEKS: 3	THEORY/PRACTICAL SUBJECTS
ST	1ST		
	2ND		
	3RD		
	4TH		
	5TH		
	6TH		
		NO CLASS	
ND	1ST		
	2ND		
	3RD		
	4TH		
	5TH		
	6TH		
RD	1ST		
	2ND		
	3RD		
	4TH		
	5TH		
	6TH		

Concept and need of Entrepreneurship



DISCIPLINE:	SEMESTER : 5 <sup>th</sup>	NAME OF TEACHING FACULTY:
SUBJECT:	NO. OF DAYS/PER WEEK CLASS ALLOTTED:	SEMESTER FROM DATE: 15/09/22
EM&ST	4	NO. OF WEEKS: 3
4TH	1ST	Characteristics and Qualities of entrepreneurs.
	2ND	Types of entrepreneurs, functions.
	3RD	Barriers to entrepreneurs.
	4TH	Entrepreneurs, Manager
	5TH	
	6TH	
5TH	1ST	Forms of Business Ownership
	2ND	Forms of Business Ownership
	3RD	Types of Industries and 1 Concept of start-ups
	4TH	Entrepreneurial support agencies
	5TH	
	6TH	

K. V. Paidal  
HEAD OF DEPT.  
Electrical Engg.  
SLET, KORAPUT

Siddharth Institute of Engineering & Technology  
Etaguda, Koraput  
Principal  
12/09/2022

TO DATE: 30/09/22

# SIDDHARTH INSTITUTE OF ENGG. & TECHNOLOGY, KORAPUT

## LESSON PLAN

DISCIPLINE: SUBJECT: PE & PLC	SEMESTER : 5 <sup>th</sup> NO. OF DAYS/PER WEEK CLASS ALLOTTED: 4	NAME OF TEACHING FACULTY: Ekirathi. V. Paithu SEMESTER FROM DATE: 15/09/2022 NO. OF WEEKS: 3	TO DATE: 30/09/2022
WEEK	CLASS DAY	THEORY/PRACTICAL SUBJECTS	
1ST	1ST		
	2ND		
	3RD		
	4TH		
	5TH		
	6TH		
2ND	1ST		
	2ND		
	3RD		
	4TH		
	5TH		
	6TH		
3RD	1ST		
	2ND		
	3RD		
	4TH		
	5TH		
	6TH		
	5TH	Construction, Operation, V-I Characteristics and application of power diode SCR, DIAC, TRIAC	
	6TH		



DISCIPLINE:	SEMESTER :	NAME OF TEACHING FACULTY:	TO DATE:
SUBJECT:	NO.OF DAYS/PER WEEK CLASS ALLOTTED:	SEMESTER FROM DATE:	
		NO. OF WEEKS:	
4TH	1ST	Power MOSFET, GTO & IGBT	
	2ND		
	3RD	Two transistor analogy of SCR	
	4TH	Gate characteristics of SCR	
	5TH	Switching characteristics of SCR during turn on and turn off.	
	6TH		
5TH	1ST	Turn on methods of SCR	
	2ND		
	3RD	Turn off methods of SCR	
	4TH	Load Commutation and Resonant pulse Commutation	
	5TH	Voltage and Current ratings of SCR	
	6TH		

*K. S. Patel*  
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# SIDDHARTH INSTITUTE OF ENGG. & TECHNOLOGY, KORAPUT

## LESSON PLAN

DISCIPLINE:	SEMESTER : 5 <sup>th</sup>	NAME OF TEACHING FACULTY: Kr. Sanjay K. Ranjan Patra
SUBJECT: E.C-11	NO. OF DAYS/PER WEEK CLASS ALLOTTED: 04	SEMESTER FROM DATE: 15/09/2022 TO DATE: 30/09/2022
WEEK	CLASS DAY	THEORY/PRACTICAL SUBJECTS
1ST	1ST	NO CLASSES
	2ND	
	3RD	
	4TH	
	5TH	
	6TH	
2ND	1ST	NO CLASSES
	2ND	
	3RD	
	4TH	
	5TH	
	6TH	
3RD	1ST	NO CLASSES
	2ND	
	3RD	
	4TH	
	5TH	
	6TH	
		Types of alternators & their constructional features.
		Basic working principle of alternator & its "best" speed frequency
		Terminology in armature winding & expression for winding factor.



DISCIPLINE:	SEMESTER : 05	NAME OF TEACHING FACULTY:
SUBJECT:	NO.OF DAYS/PER WEEK CLASS ALLOTTED: 04	SEMESTER FROM DATE: 15/09/2022
E.C.C-11		NO. OF WEEKS: 03
4TH	1ST	Explain Harmonics, it causes & effect on winding factor.
	2ND	E.M.f reaction of alternator (solve problems)
	3RD	Explain Armature reaction & its effect on a.m.f at different loads
	4TH	The vector diagram of loaded alternator (solve numericals)
	5TH	Testing of alternator - open ckt test.
	6TH	
5TH	1ST	Testing of alternator - short ckt test.
	2ND	
	3RD	Determination of voltage regulation of alternator by direct loading method.
	4TH	
	5TH	Synchronous impedance method.
	6TH	

*K. Jayashree*  
HEAD OF DEPT.  
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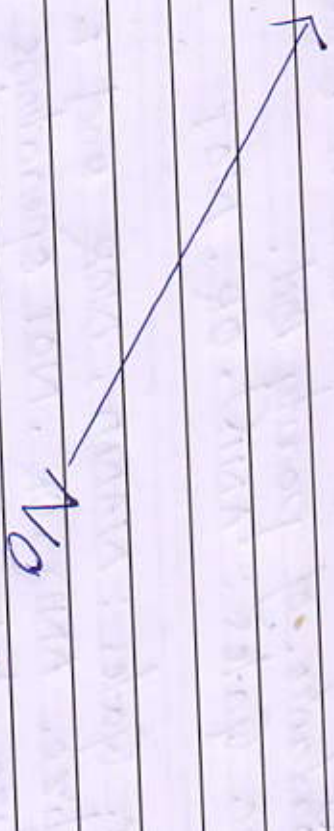
*S. Sathya*  
PRINCIPAL  
Siddharth Institute of Engineering & Technology  
Ekataguda, Koraput

TO DATE: 30/09/2022



# SIDDHARTH INSTITUTE OF ENGG.& TECHNOLOGY,KORAPUT

## LESSON PLAN

DISCIPLINE:	SEMESTER : 5 <sup>th</sup>	NAME OF TEACHING FACULTY: Girishabala Ramanga	TO DATE: 30/09/2022
SUBJECT: Digital Electronics & Microprocessors	NO.OF DAYS/PER WEEK CLASS ALLOTTED: 5	SEMESTER FROM DATE: 15/09/2022	
WEEK	CLASS DAY	NO. OF WEEKS: 3	THEORY/PRACTICAL SUBJECTS
1ST	1ST	 No Class	
	2ND		
	3RD		
	4TH		
	5TH		
	6TH		
2ND	1ST		
	2ND		
	3RD		
	4TH		
	5TH		
	6TH		
3RD	1ST		
	2ND		
	3RD		
	4TH		
	5TH		
	6TH		

Binary, Octal and Hexadecimal number system & compare with decimal system  
Binary Addition, Subtraction, Multiplication & Division.



DISCIPLINE:	SEMESTER : 5 <sup>th</sup>	NAME OF TEACHING FACULTY:
SUBJECT: <u>DESM</u>	NO.OF DAYS/PER WEEK CLASS ALLOTED: <u>4</u>	SEMESTER FROM DATE: <u>15/09/2022</u>
		NO. OF WEEKS: <u>3</u>
4TH	1ST	1 <sup>st</sup> Complement and 2 <sup>nd</sup> Complement for binary number. Subtraction of binary numbers in 2's Complement method.
	2ND	Use of weighted and unweighted codes & Binary equivalent of 8421
	3RD	Binary equivalent number in excess-3 add Gray code.
	4TH	Importance of Parity Bit.
	5TH	Logic Gates: AND, OR, NOT
	6TH	
5TH	1ST	Logic Gates: NAND, NOR and EX-OR
	2ND	Realize AND, OR, NOT operations using NAND gates.
	3RD	Realize AND, OR, NOT operations using NOR gates.
	4TH	Different postulates and De-Morgan's theorems in Boolean Algebra.
	5TH	Different postulates and De-Morgan's theorems in Boolean Algebra.
	6TH	

*Kuppaiah*  
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*Prasanth*  
**PRINCIPAL** 12/09/2022  
 Siddharth Institute of Engineering & Technology  
 Etaguda, Koraput



# SIDDHARTH INSTITUTE OF ENGG.& TECHNOLOGY,KORAPUT

## LESSON PLAN

DISCIPLINE:	SEMESTER :	NAME OF TEACHING FACULTY:
SUBJECT:	NO.OF DAYS/PER WEEK CLASS ALLOTTED:	SEMESTER FROM DATE:
V.E.E	05 04	Dr. Sanjeev Ranjan Patra 15/09/2022
WEEK	CLASS DAY	NO. OF WEEKS: 03
1ST	1ST	TO DATE: 15/09/2022
	2ND	
	3RD	
	4TH	
	5TH	
	6TH	
2ND	1ST	
	2ND	
	3RD	
	4TH	
	5TH	
	6TH	
3RD	1ST	
	2ND	
	3RD	
	4TH	
	5TH	
	6TH	
5TH		
6TH		

Definition & Basic Principle of Elongation.



DISCIPLINE:	SEMESTER :	NAME OF TEACHING FACULTY:
SUBJECT:	NO. OF DAYS/PER	SEMESTER FROM DATE:
V.C.E.E.T	WEEK CLASS ALLOTTED:	NO. OF WEEKS:
	04	03
4TH	1ST	Important terms regarding electrolysis.
	2ND	Faraday's laws of electrolysis.
	3RD	Definitions of current efficiency, energy efficiency.
	4TH	<del>Defn</del>
	5TH	Principle of electro deposition.
	6TH	
5TH	1ST	Factors affecting the amount of electro deposition.
	2ND	Factors governing the electro deposition.
	3RD	
	4TH	Examples of extraction of metals.
	5TH	Application of electrolysis.
	6TH	

*K. Rajaraj*  
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*Rajath*  
**PRINCIPAL**  
**Principal**  
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