Discipline :-	Semester:-	Name of the Teaching Faculty:-
	1 st	
MECHANICAL		SOUMYA PRAKASH SUTAR
Subject:-	No of Days/ner Week	
Subject.	Class Allotted	
BASIC	:-	Semester From:- 9.11.2020 TO 31.3.2021
ELECTRONIC		
ENGINEERING	02	
(TH.04(b))		
Maak	Class Dav	Theory
vveek	Class Day	Ineory
	1	FLECTRONIC DEVICES: Basic Concept of Electronics and its application
1 st	2	Electron Emission & different types
	1	Classification of material according to electrical conductivity (Conductor
2 ND	T	Semiconductor & Insulator) with respect to energy band diagram only.
	2	Intrinsic & Extrinsic Semiconductor
	1	Difference between vacuum tube & semiconductor, Principle of working
3 RD		and use of PN junction diode,
	2	V-I characteristic of PN junction diode
4 ^{тн}	1	Zener diode and Light Emitting Diode (LED)
	2	Basic concept of manufacturing integrated circuits (I.C) & its uses.
5 TH	1	ELECTRONIC CIRCUITS: Define Rectifier & its use
	2	Principles of working of different types of Rectifiers and their merits and demerits
6 ^{тн}	1	Functions of filters and classification of filter characteristics. D.C power
	-	supply system with help of block diagrams only
	2	Transistor, Different types of Transistor Configuration
	1	state output and input current gain relationship in CE,CB and CC
7 TH		Configuration.
	2	configuration)
	1	Amplifiers and working principles of single phase CE amplifier
8 TH		
	2	Electronic Oscillator and its classification
	1	Working of Basic Oscillator with different elements through simple Block
QTH	T	Diagram
5	2	COMMUNICATION SYSTEM: Basic communication system
	1	Concept of Modulation and Demodulation, Difference between them
10 ^{тн}	2	Different types of Modulation ,Amplitude modulation concept
		Concept of frequency and phase medulation
	1	Concept of frequency and phase modulation
11 [™]	2	TRANSDUCERS AND MEASURING INSTRUMENTS: Concept of
	-	Transducer and sensor with their differences
	1	Different type of Transducers & concept of active and passive transducer
12 [™]		Working principle of photo opically a photoconductive
	2	
13 TH	1	photovoltaic transducer and its application
	-	
	2	Multimeter and its applications

	1	Analog and Digital Multimeter and their differences
14 TH	2	Working principle of Multimeter with Basic Block diagram
	1	CRO, Block diagram of CRO and applications of CRO
15 [™]	2	Previous Year Question Discussion

Soumya Prakash Sutar Lecturer in Electronics