

Lesson Plan

Subject Basic Electronics (Code) Th-46 Name of faculty BISHNU CHARAN DAS
 Semester 2nd sem Class allotted 2/Week Branch MECHANICAL
 Session: 2nd sem 2023(S)

Discipline	Semester	From Date:	To date:	Teaching Aid
Subject:	No. of days/per week	Theory / Practical-topics / Lesson		
Week	Date/Period			
1	22 Mar 2023	• Basic concept of Electronics & its application		White board & Markers
	24th Mar 23	• Electron Emission & its types Classification of material according to its electrical conductivity.		
2	29th Mar 23	• Intrinsic & Extrinsic Semiconductor		White board & Markers
	31st Mar 23	• Vacuum tube and Semiconductor		
3	5th April 23	• Working of diodes & LEDs.		White board & Markers
4	12th April 2023	ICs & its advantages		Physically showing the ICs.
5	19th April 23	Rectifier & its use, Principles & Merits demerit		White board & Markers
	21st April 23	Transistor configuration, Relationship bet ⁿ output and input current gain.		
6	26th April 23	Need for biasing and Explain different types of biasing.		White board & Markers
	28th April 23	Working principles of single phase CE amplifier.		
7	3rd May 23	Working of simple oscillator with different elements with block diagram.		White board & Markers



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Week	Date/Period	Theory / Practical-topics / Lesson	Teaching Aid
8	10th May 23	Concept of modulation & demodulation and difference between them.	White board & Marker.
	12th May 23	AM, FM & PM modulation of waves.	
9	17th May 23	Concept of transducer and sensor with their differences.	White board & Marker.
	24th May 23	Concept of active and passive transducer and different types of transducers.	White board & Marker.
10	26th May 23	Working principle of photo emissive & photo conductive transducer.	
	02nd June 2023	Photo voltaic transducers and its application	White board & Marker.
12	7th June 23	Multimeter and its application.	Physically showing Multimeter.
	9th June 23	Analog and Digital Multimeters and their differences.	
13	16th June 23	Block diagram of Multimeters.	White board & Marker.
	21st June 23	Concept and Working of CRO	Physically showing CRO
14	23rd June 23	CRO with simple block diagram	
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