

Lesson Plan (sec-B)			
	Discipline:Electrical Engineering	Semester-3rd sem (sec-B) Winter 2023	Name of the Teaching Faculty: Sri Rabindra kumar Nayak
Sl. No.	Subject-Elements of Mechanical Engg.	No. Of Days/Week Class allotted: 04	Semester From date: 07/08/2023 to date: 30/11/2023. No of weeks: 16
	Weeks/Months	Class Day	Topic
1	1st week	1st(07.08.2023)	1. THERMODYNAMICS
		2nd(08.08.2023)	1.1 1st law of thermodynamics
		3rd(11.08.2023)	1.2 State Laws of Perfect Gases
		4th(12.08.2023)	1.3 Determine relationship of specific heat of gases at constant volume and constant pressure
2	2nd week	1st(14.08.2023)	2.1 Use steam table for solution of Simple
		2nd(18.08.2023)	2.1 Simple Problem
		3rd(19.08.2023)	2.2 Explain total heat of wet steam,dry steam and super heated steam
3	3rd week	1st(21.08.2023)	2.2 Explain total heat of wet steam,dry steam and super heated steam (numerical problems )
		2nd(22.08.2023)	3. BOILER
		3rd(25.08.2023)	3.2 Describe Cochran Boiler
		4th(26.08.2023)	3.2 Describe Cochran Boiler
4	4th week	1st(28.08.2023)	3.2 Describe Babcock Wilcox Boiler
		2nd(29.08.2023)	3.2 Describe Babcock Wilcox Boiler
		3rd(01.09.2023)	3.3 Describe Mountings
		4th(02.09.2023)	3.3 Describe Mountings
5	5th week	1st(04.09.2023)	3.3 Describe Mountings
		2nd(05.09.2023)	3.3 Describe Accessories
		3rd(08.09.2023)	3.3 Describe Accessories
		3rd(09.09.2023)	3.4 Describe Accessories
6	6th week	1st(11.09.2023)	4. STEAM ENGINE
		2nd(12.09.2023)	4.1 Explain the principle of Simple steam
		3rd(15.09.2023)	4.2 Draw Indicator diagram
		4th(16.09.2023)	4.2 Draw Indicator diagram
7	7th week	1st(18.09.2023)	4.3 Calculate Mean effective Pressure
		2nd(22.09.2023)	4.3 Calculate Mean effective Pressure
		2nd(23.09.2024)	4.4 Calculate Mean effective Pressure
8	8th week	1st(25.09.2023)	4.3 Calculate IHP and BHP
		2nd(26.09.2023)	4.3 Calculate mechanical efficiency ( Simple
		3rd(30.09.2023)	4.4 Solve simple problem
9	9th week	1st(03.10.2023)	5. STEAM TURBINES
		2nd(06.10.2023)	5.2 Differentiate between impulse and reaction
		3rd(07.10.2023)	5.2 Differentiate between impulse and reaction
10	10th week	1st(09.10.2023)	6. CONDENSER
		2nd(10.10.2023)	6.2 State their types
		3rd(13.10.2023)	6.2 State their types
		4th(14.10.2023)	6.2 State their types
		1st(16.10.2023)	6.2 State their types

11	11th week	2nd(17.10.2023)	7. I.C. ENGINE
		3rd(20.10.2023)	7.1 Explain working of two stroke and 4 stroke Diesel engine
12	12th week	1st(30.10.2023)	7.2 Differentiate between them
		2nd(31.10.2023)	7.2 Differentiate between them
		3rd(03.11.2023)	8. HYDROSTATICS
		4th(04.11.2023)	8.1 Describe properties of fluid
13	13th week	1st(06.11.2023)	8.2 Determine pressure at a point
		2nd(07.11.2023)	8.3 Pressure measuring Instruments
		3rd(10.11.2023)	8.3 Pressure measuring Instruments
		4th(11.11.2023)	9. HYDROKINETICS
14	14th week	1st(13.11.2023)	9.2 Explain energy of flowing liquid
		2nd(14.11.2023)	9.2 Explain energy of flowing liquid
		3rd(17.11.2023)	9.3 State and explain Bernoulli's theorem
		4th(18.11.2023)	9.3 State and explain Bernoulli's theorem
15	15th week	1st(20.11.2023)	10. HYDRAULIC DEVICES AND PNEUMATICS 10.1 Intensifier
		2nd(21.11.2023)	10.1 Intensifier
		3rd(24.11.2023)	10.2 Hydraulic lift
		4th(25.11.2023)	10.3 Accumulator
16	16th week	1st(28.11.2023)	10.4 Hydraulic ram