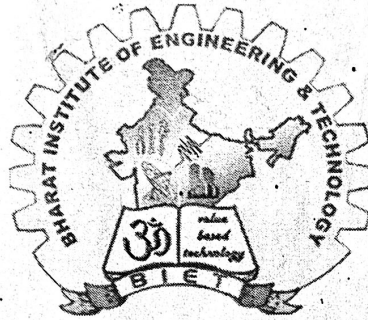


BHARAT INSTITUTE OF ENGINEERING & TECHNOLOGY

**SIVARAM VIHAR, GHATAKESWAR HILLS
MOHADA, BERHAMPUR (GM.)**



STUDENT'S ATTENDANCE REGISTER

Time \ Day	9.05	9.55	10.45	1.55	2.45
Day	9.55	10.45	11.35	2.45	3.35
Mon					
Tue					HMF P
Wed					HMF P
Thu	HMF P				
Fri					
Sat	HMF P				

Year/ Session : 2023 (winter)	Semester from Date: 01/08/2023 To Date : 30/11/2023
Semester & Branch	5 th Sem Mechanical Engineering
Subject with Code	HMF P
Name of the Faculty Member	Dharamendra Ku. Sahu
No of Weeks: 17	No of Class Allotted/Week : 04

B.I.E.T., COURSE PLAN

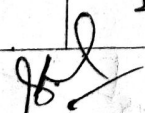
Month	Week	Class Day	Theory/Practical Topic
August	1 st	01/08/23	<u>Turbine s</u> Introduction to Hydraulic turbines; Classification of Hydraulic turbines
		02/08/23	Layout of Hydroelectric power plant
		03/08/23	Types of head; Types of Efficiencies;
	2 nd	05/08/23	Construction of Impulse turbine;
		08/08/23	Working of Pelton turbine
		09/08/23	Velocity diagram of moving blades
		10/08/23	Derivation of workdone and efficiency of Impulse turbine
		12/08/23	Formulas to be used for ^{solving} Pelton turbine Numericals
		3 rd	16/08/23
	17/08/23		Numericals on Pelton Turbine
	19/08/23		Construction of Reaction Turbine
	4 th	22/08/23	Working of Reaction Turbine
		23/08/23	Derivation & working of Francis turbine.
		24/08/23	Formulas to be used for solving numericals of Francis Turbine
		26/08/23	Numericals of Reaction Turbine
5 th	29/08/23	Numericals of Reaction Turbine	
	31/08/23	Numericals of Francis Turbine	

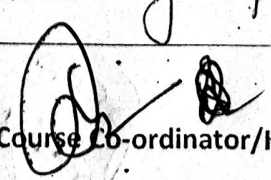
Signature of the Faculty:

Signature of the Principal/Course Co-ordinator/HOD:

B.I.E.T., COURSE PLAN

Month	Week	Class Day	Theory/Practical Topic	
Sept.	1 st	2/09/23	Construction & Working of Kaplan Turbine	
		5/09/23	Numericals of Kaplan Turbine	
		7/09/23	Difference between Pelton Turbine and Francis Turbine	
	2 nd	09/09/23	<u>Centrifugal Pump</u> :-	
		12/09/23	Construction of Centrifugal pump	
		13/09/23	Working of Centrifugal pump	
		14/09/23	Workdone by Centrifugal pump	
		16/09/23	Def ⁿ of types of head of centrifugal pump	
		21/09/23	Different types of efficiencies of centrifugal pump	
		3 rd	23/09/23	Numericals on centrifugal pump
			25/09/23	Numericals on centrifugal pump
		4 th	26/09/23	<u>Reciprocating Pump</u> :-
			27/09/23	Main parts of Reciprocating pump
	28/09/23		Working of Reciprocating pump	
	30/09/23		Discharge & Workdone of Single acting Reciprocating pump	
	October	1 st	03/10/23	Discharge & Workdone of Double acting Reciprocating pump
03/10/23			Slip of Reciprocating pump	

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B.I.E.T., COURSE PLAN

Month	Week	Class Day	Theory/Practical Topic	
NOV.	2nd	04/10/23	Numericals related to Reciprocating <u>Pneumatic Control System</u> —: pump	
		05/10/23	Elements —: Filter, Regulation, Lubrication unit	
		07/10/23	Pressure Control Valves	
		10/10/23	Pressure Relief Valves	
		11/10/23	Pressure Regulation Valves	
		12/10/23	Direction Control Valves	
		3rd	17/10/23	3/2 DCV
			18/10/23	5/2 DCV
			19/10/23	5/3 DCV
			31/10/23	Flow Control Valves
		1st	01/11/23	Throttle Valves
			02/11/23	ISO Symbols of Pneumatic Components
	04/11/23		Pneumatic Circuits	
	2nd	07/11/23	Direct control of single acting cylinder	
		08/11/23	Operation of double acting cylinder	
		09/11/23	Operation of double acting cylinder with metering in & metering out control	
			<u>Hydraulic Control System</u> —:	
	3rd	11/11/23	Hydraulic System — Merits & Demerits	
		14/11/23	Hydraulic accumulator	
		15/11/23	Pressure Control Valves	
		16/11/23	Pressure Relief Valves	
18/11/23		Pressure Regulation Valves		

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B.I.E.T., COURSE PLAN

Month	Week	Class Day	Theory/Practical Topic
	4 th	21/11/23	Dir ⁿ Control Valves
		22/11/23	3/2 DCV
		28/11/23	5/2 DCV
		25/11/23	5/3 DCV
	5 th	28/11/23	Flow Control Valves
		29/11/23	Throttle Valves
		30/11/23	ISO symbols for Hydraulic Components

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Signature of the Faculty:

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Signature of the Principal/Course Co-ordinator/HOD:

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