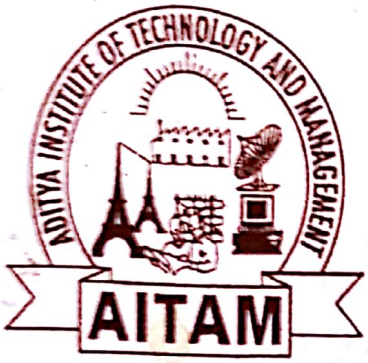
ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT (AITAM) TEKKALI

(An Autonomous Institution)

(Approved by AICTE, Accrediated by NBA, Affiliated to JNTU, Kakinada)



STUDENT ATTENDENCE REGISTER

Name	: Suneela Rani Behara
Subject	: FM & HM
Class	: II – BEE 'B' I-Sem
Year	: 2014-15 II-I

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LESSON PLAN

Period	Date (tentative)	Topic	Unit No	Teaching Methodology	Remarks	Corrective Action Upon Review
	1/9/2014	Introduction to fluid mechanics & units	I			
	3/9/14	physical properties of fluids specific gravity				
	4/9/14	viscosity, Surface Tension, vapour pressure & their				
	5/9/14	influences on fluid motion pressure at a point				
	8/9/14	pascal's law				
	10/9/14	hydrostatic law				
	11/9/14 12/9/14	atmospheric pressure, gauge & vacuum				
	15/9/14	pressure measurements by pressure				
	17/9/14	pressure gauges				
	18/9/14 19/9/14	manometers: Differential				
	22/9/14	micro manometers				
	24/9/14	Fluid Kinematics :- Description of fluid flow	II			
	25/9/14 26/9/14	Stream line, path line & Streak lines & Stream tube				
	6/10/14	Classification of flows. Steady, unsteady,				
	8/10/14	uniform, non-uniform laminar, turbulent.				
	27/10/14	rotational & irrotational flows				
	29/10/14	Equation of continuity in one, two dimensional form				
	30/10/14	Stream & velocity potential functions				
	31/10/14	"				
	3/11/14	"				

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LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
	5/11/14 6/11/14	Fluid dynamics :- Surface & body forces - Euler's				
	7/11/14	and Bernoulli's eqn for flow along a stream				
	10/11/14	line for 3-D flow.				
	12/11/14	Navier - stokes eqns (explanationary)				
	13/11/14	moment of eqn & it's application.				
	14/11/14	forces on pipe bend				
	17/11/14	closed conduit flow :- Reynold's experiment	III			
	19/11/14	Darcy weisbach eqn				
	20/11/14	Minor losses in pipes				
	21/11/14	pipes in serier				
	24/11/14	pipes in parallel				
	26/11/14	total energy line				
	27/11/14	hydraulic gradient line.				
	28/11/14	Measurement of flows pitot tube				
	1/12/14	Venturimeter				
	3/12/14	Orifice meter.				
	8/12/14	flow nozzle				
	10/12/14	Turbine flow meter				
	21/12/14	problems				
		problems				

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LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
	12/12/14	Hydraulic Turbines :- Classification of turbines	IV			
	15/12/14	impulse & reaction turbines				
	17/12/14	"				
	18/12/14	pelton Wheel, working proportions				
	19/12/14	francis turbine working proportions				
	22/12/14	Kaplan turbine working proportions				
	"	Workdone, efficieies				
	24/12/14	hydraulic design draft tube, theory				
		functions and efficiency				
	25/12/14	Performance of hydraulic turbines, Geometric				
	26/12/14	Similarity, unit and Specific quantities				
	"	Characteristic Curves.				
	29/12/14	Governing of turbines				
	"	Selection of type of turbine, Cavitation				
	"	Surge tank, water hammer				
	31/12/14	Centrifugal pumps :- Classification Workdone	V			
	1/1/15	manometric head				
	2/1/15	losses and efficiencies Specific Speed				
	5/1/15	pumps in series & parallel performance				
		Characteristic Curves NPSH.				

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LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
	7/1/15	Reciprocating pumps Working				
	8/1/15	Discharge, Slip.				
	"	"				
	"	Indicator diagrams				

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