ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT (AITAM) TEKKALI

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

STUDENT ATTENDENCE REGISTER

Name	: K. Mohan Lavani
Subject	: FM & HM
Class	: II/IV I EEE -'A'
Year	: II year I semester

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LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
3.	1/9/14	Introduction. Dimensions & units	I	CR		
1	2/9/14	Physical properties of fluids.	I	CR		
5	2/9/14	Specific gravity	I	CR		
5	4/9/14.	Viscosity, surface tension	I	CR		
5	5/9/14.	Vapour pressure, their influence on fluid motion. pressure at a point	I	CR		
4	"		I	CR		
3	8/9	Pascal's law.	I	CR		
1	9/9	Hydrostatic law	I	CR		
5	11/9.	atmosphere pressure gauge & vacuum	I	CR		
5	12/9	Pressure measurement of pressure	I	CR		
5	12/9.	pressure gauges	I	CR		
3	15/9	Manometers	I	CR		
3.	15/9	Differential U tube manometer	I	CR		
1	16/9	Fluid kinematics: Description of fluid flows	II	CR		
5	18/9	Streamline, path line, streak line & stream tube.	II	CR		
5	19/9	Classification of flows steady, unsteady	II	CR		
3	22/9	Uniform, Non uniform laminar, turbulent	II	CR		
3.	22/9	rotational & irrotational flows	II	CR		
1	23/9	Equation of continuity for one, two dimensional flow flows	II	CR		
5	25/9.	Stream & velocity potential function	II	CR		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
5	26/9	fluid dynamics, surface & body force	II	CR		
3	26/10	Eulers Equation & Bernoulis Equation	II	CR		
1	27/10	for flow along a stream line for 3-D flow	II	CR		
3	27/10	Navier's - stokes equation (Explanation only)	II	CR		
1	28/10	Moment of Equation & its application	II	CR		
5	30/10	forces on pipe bend	II	CR		
5	31/10	closed conduit flows Reynolds Equation -	III	CR		
3	3/11	Darcy - weisbach Equation	III	CR		
5	6/11	Minor losses in pipes	III	CR		
5	7/11	Pipes in series	III	CR		
3	10/11	Pipes in parallel	III	CR		
1	11/11	total energy line	III	CR		
5	13/11	hydraulic graded line	III	CR		
5	14/11	Measurement of flow pitot tube	III	CR		
3	17/11	venturi meter	III	CR		
1	18/11	orifice meter	III	CR		
5	20/11	flow nozzle	III	CR		
5	20/11	turbine flow meter	III	CR		
5	21/11	Problems	III	CR		
		problems	III	CR		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
3	24/11	Hydraulic turbines classification of turbines	IV	CR		
1	25/11	Impulse & Reaction turbines	IV	CR		
		"	IV	CR		
5	27/11	Pelton wheel working proportions	IV	CR		
5	28/11	Francis turbine working proportions	IV	CR		
3	4/12	Kaplan turbine working proportions	IV	CR		
1	2/12	Workdone, Efficiency	IV	CR		
3	8/12	Hydraulic design. draft tube, theory	IV	CR		
1	9/12	Functions & Efficiencies	IV	CR		
5	11/12	Performance of hydraulic turbines	IV	CR		
5	11/12	Geometric similarity and & specific gravity	IV	CR		
5	12/12	Characteristic curves	IV	CR		
5	12/12	Governing of turbines	IV	CR		
3	15/12	Selection of type of turbine, classification	IV	CR		
1	16/12	Surge tank, water hammer	IV	CR		
5	18/12	Centrifugal pumps classification, workdone	V	CR		
5	19/12	Manometric head	V	CR		
3	22/12	Losses & Efficiencies specific speed	V	CR		
1	23/12	Pumps in series & parallel performance	V	CR		
5	26/12	Characteristic curve NPSH	V	CR		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
3	29/12	Reciprocating pumps working	IV	CR		
1	30/12	Dishargers tip	IV	CR		
5	1/1/15	"	IV	CR		
5	2/1/15	Indicator diagram	IV	CR		
3	5/1/15	Revison of Syllabus	IV	CR		
1	6/1/15	Revison of Syllabus	IV	CR		

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