Teaching Scheme					Fluid Mechanics Practical (22PCM206P)					
					Examination Scheme					
L	T	P	C	Hours/Week	Theory			Practical		Total Marks
					MS	ES	IA	LW	LE/Viva	
0	0	2	1	2	--	--	--	50	50	100

COURSE OBJECTIVES

- Demonstrate experiments in fluid mechanics and hydraulic machinery.
- Understand the functioning of various flow measuring devices.
- Discuss the performance characteristics of pumps.

LIST OF EXPERIMENTS

1. Determine the coefficient of discharge in a venturi meter.
2. Determine the coefficient of discharge in an orifice meter.
3. Determine the coefficient of discharge a notch.
4. Determine the coefficient of discharge a rota meter.
5. Verification of Bernoulli's theorem.
6. Determine the Reynolds number for a pipe flow.
7. Determine the kinematic and dynamic viscosity of the given fluid.
8. Determine the efficiency of centrifugal pump.
9. Determine the efficiency of reciprocating pump.
10. Determination of energy losses in pipe fittings.

COURSE OUTCOMES

On completion of the course, student will be able to

CO1: Evaluate the coefficient of discharge of flow meters.
CO2: Verification of Bernoulli's equation.
CO3: Determine the Reynolds number of fluid flow.
CO4: Analyze the viscosity of fluid.
CO5: Determine the efficiency of pumps.
CO6: Evaluate the energy losses in pipe fittings.

END SEMESTER EXAMINATION QUESTION PAPER PATTERN

Max. Marks: 100	**Exam Duration: 3 Hours**
Part A: Lab Work	50 Marks
Part B: Lab Exam/Viva	50 Marks