Bharati Vidyapeeth (Deemed to be University)

College of Engineering, Pune.

Department of Civil Engineering

Fluid Mechanics Laboratory

List of Experiment

Sr. No.	List of Experiment
	Fluid Mechanics
1.	Determination of Viscosity
2.	Study of Pressure Measuring Devices
3.	Study of Stability of Floating Bodies
4.	Verification of Bernoulli's Theorem
5.	Determination of C_d of Venturi meter
6.	Determination of C_d of Orifice
7.	Determination of C_d of Notch
8.	Study of Laminar flow Using Heleshaw's Apparatus
9.	Study of Laminar flow Using Reynold's Apparatus
	Open Channel flow and Hydraulic Machinery
1.	Flow around aerofoil.
2.	Flow around a Circular Cylinder.
3.	Impact of jet around flat / curved plate.
4.	Performance Curves of Hydraulic Turbine. Constant Head Characteristic Curve
5.	Characteristics of Centrifugal Pump.
6.	Uniform flow formulae of open channel.
7.	Velocity distribution in open channel flow.
8.	Hydraulic jump as energy dissipater.
9.	Characteristics of various GVF profiles.
10.	Design of Hydraulic Centrifugal Pump.
11.	Design of Hydraulic Turbine.
12.	GVF Computations by Direct Step Method.

Size = 2' X 3 '
Qty = 1

List of Equipment

Sr. No.	Name of Equipment
1.	Metacentric Height Apparatus
2.	Flow Measurement by Venturi meter
3.	Pipe Friction Apparatus
4.	AIMIL Redwood Viscometer
5.	Reynolds Apparatus
6.	Hele Shaw Apparatus
7.	Impact of Jet Apparatus
8.	Bernoulli's Theorem Apparatus
9.	Discharge over Notches
10.	Wind Tunnel
11.	Current meter Pyamy type

Size = 2' X 2.5 '

Qty = 1No.