

Fluid Machine Laboratory

Fluid machine laboratory has facility to conduct various tests like performance test, operating characteristics of different machines, pressure loss in wake region, lift and drag force of an aerofoil, drag force acting on sphere, cavitation inception characteristics of CF pump, system characteristics of CF blower etc.,

THE EQUIPMENTS THAT FORM THE FLUID MACHINE ARE:

1) WIND TUNNEL, 2) CF BLOWER, 3) CF PUMP, 4) RECIPROCATING PUMP, 5) TURBINE PUMP, 6) KAPLAN TURBINE, 7) FRANCIS TURBINE, 8) PELTON WHEEL.

These equipments are useful for conducting various experiments in fluid machines II, fluid machine-I, fluid mechanics and machines, fluid power control. It is also useful to conduct experiments at post graduate level as well as for under graduate student projects.

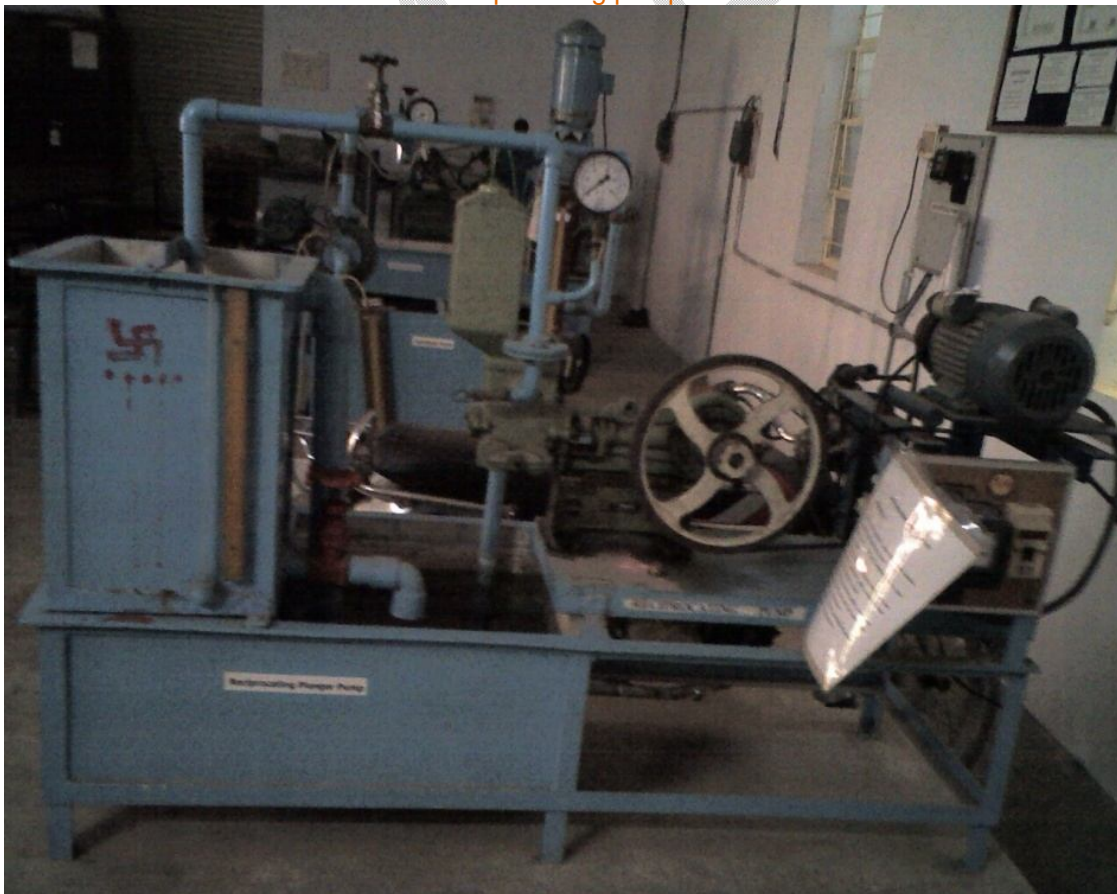
Wind tunnel



CF Pump



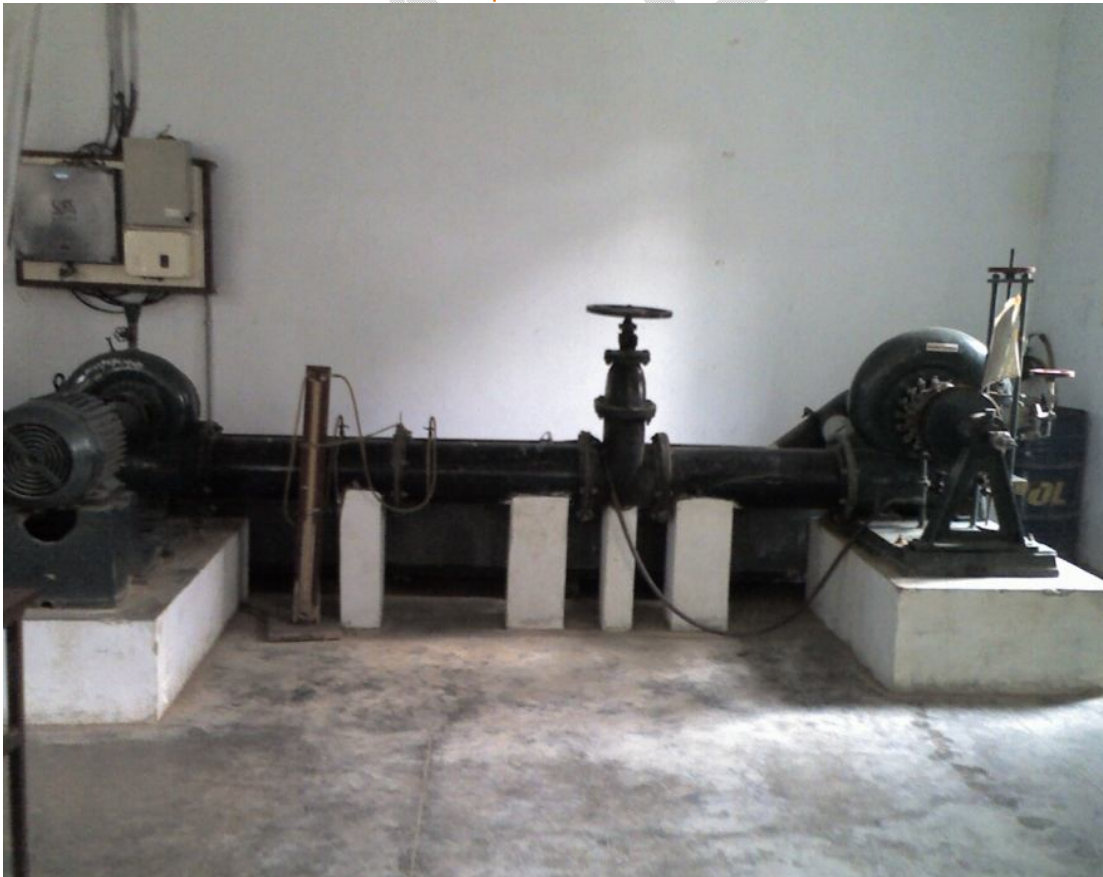
Reciprocating pump



Turbine Pump



Kaplan Turbine



Francis Turbine



Pelton Wheel

