



# S. N. Patel Institute of Technology & Research Centre, Umrakh

(A Vidyabharti Trust Institution)

## Mechanical Engineering Department

**Subject Name:** Fluid Mechanics and hydraulic Machine

**Subject Code:** 3141906

Sr.No.	Experiment
1	Verification of Bernoulli's theorem
2	To determine metacentric height by metacentric height apparatus.
3	To measure the velocity of flow using orifice meter and venturimeter.
4	To determine the coefficient of discharge through open channel flow over a notch.
5	To determine the different types of flow patterns by Reynolds' experiment.
6	To determine the friction factor for the different pipes.
7	To determine the loss coefficients for different pipe fittings.
8	To verify Impulse-momentum principle for impact of jet on stationary vane.
9	Performance test on Pelton turbine.
10	Performance test on centrifugal pump.