

KCE-353 Fluid Mechanics Lab

S.No.	Name of major equipment/setup
1	Bernoulli's theorem apparatus
2	Bend meter
3	Venturimeter
4	Orifice meter
5	Impact of jet apparatus
6	Pipe friction apparatus
7	Metacentric height apparatus
8	Pitot tube setup
9	Reynolds apparatus
10	Darcy's apparatus
11	Sudden contraction & Enlargement

LIST OF EXPERIMENTS

KCE-353 FLUID MECHANICS LAB

1. To verify the momentum equation using the experimental set-up on the impact of the jet.
2. To determine the Meta-centric height of a floating body.
3. To determine the coefficient of discharge through the Venturimeter.
4. To determine the coefficient of discharge through an Orificemeter.
5. To determine the coefficient of discharge through Bendmeter
6. Verification of Bernoulli's theorem.
7. To determine the type of flow using Reynold's Number.
8. To determine the coefficient of friction for different pipes.
9. To determine the head loss for a sudden enlargement, sudden contraction and losses in bend.
10. To study the velocity distribution in a pipe and compute the discharge by integrating the velocity profile.