KCE-453 Hydraulics and Hydraulic Machines Lab

S.No.	Name of major equipment
1	Tilting bed apparatus
2	Reciprocating Pump
3	Centrifugal Pump
4	Broad crested weir
5	Hydraulic Hump
6	Horizontal contraction setup
7	Pelton Turbine
8	Francis Turbine
9	Kaplan Turbine
10	Rectangular Notch

LIST OF EXPERIMENTS

KCE-453 HYDRAULICS & HYDRAULIC MACHINE LAB

Note: Students will perform a minimum of 10 experiments from the following:

1. To determine Manning's coefficient of roughness 'n' for the bed of a given flume.
2. To study the velocity distribution in an open channel and to determine the energy and momentum correction factors.
3. To study the flow characteristics over a hump placed in an open channel.
4. To study the flow through a horizontal contraction in a rectangular channel.
5. To calibrate a broad-crested weir.
6. To study the characteristics of free hydraulic jump.
7. To study centrifugal pump and their characteristics
8. To study the characteristics of Pelton Turbine.
9. To study the characteristics of Francis Turbine.
10. To study the characteristics of Kaplan Turbine.
11. To study the free over-fall phenomenon in an open channel and to determine the end depth.
12. To determine the coefficient of discharge for a given rectangular notch.