



AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



VINAYAKA MISSION'S
RESEARCH FOUNDATION
DEPARTMENT OF RESEARCH & DEVELOPMENT, AVIT



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17CVCC93 -HYDRAULICS AND STRENGTH OF MATERIALS LAB (UG)

LIST OF EXPERIMENTS

1. A comparative analysis of Coefficient of discharge using Orifice meter & venturimeter.
2. Determination of pipe losses (major & minor).
3. Conducting experiments and draw the characteristic curves of centrifugal pump/submersible pump/jet pump/reciprocating pump/Gear pump (any 3 pump experiments must be done).
4. Study about the performance characteristics of Pelton wheel and Francis turbine.
5. Determination of Tensile strength and Compression strength on a given specimen.
6. Determination of shear strength of Mild steel and Aluminium rods
7. Determination of Torsional strength of mild steel rod
8. Determination of Impact strength
9. Conduct of Hardness test on metals - Brinell and Rockwell Hardness.
10. Conduct of Deflection test on beams