



**NALLA NARASIMHA REDDY**  
Education Society's Group of Institutions - Integrated Campus  
(Approved by AICTE, PCI, New Delhi. Affiliated to JNTU-Hyderabad)

Accredited by



**SCHOOL OF ENGINEERING**

**DEPARTMENT OF CIVIL ENGINEERING**

**HYDRAULICS AND HYDRAULIC MACHINERY LAB**  
**B.Tech. III Year I Sem. (R16)**

### **LIST OF EXPERIMENTS**

1. Impact of jet on vanes
2. Study of Hydraulic jump in Open Channel.
3. Performance test on Pelton wheel turbine.
4. Performance test on Francis turbine.
5. Performance test on Kaplan turbine.
6. Performance characteristics of a single stage centrifugal pump.
7. Performance characteristics of a multi-stage centrifugal pump.
8. Performance characteristics of a reciprocating pump.
9. Study of Flow in Open Channel (Applying Chezy's and Manning's equations).
10. Determination of Coefficient of discharge for the given Weir (Sharp crested /Broad crested / Cippoletti weir).