




**SRI PADMAVATI MAHILA VISVAVIDYALAYAM**  
(WOMEN'S UNIVERSITY) TIRUPATI-  
517502.

**SCHOOL OF ENGINEERING AND TECHNOLOGY**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**Fluid Mechanics and Hydraulic Machinery**

**Key Features:** Fluid mechanics and hydraulic lab provides basic idea about fundamental of fluid mechanics with a hand on experience on principles like venturimeter, Bernoulli's etc it also deals with experiments on friction factor. The well-equipped lab has been providing sound knowledge to the students of mechanical Students.

S.No.	Name of the Experiment	Specification and Key Equipment Details	Equipment Photo
1.	Orifice Meter	Digital Anemometer level $V_a = 7.8\text{m/s}$ Head level in Hg, $h_1 = 50$ Head level in Hg, $h_2 = 50$ Differential head in Hg, $h = h_2 - h_1$ $d_1 = 4\text{mm}$ $d_2 = 18\text{mm}$	

2.	Rotameter	Length of the tank (l)= $38 \times 10^{-2}$ m Breadth of the tank (b)= $19.7 \times 10^{-2}$ m Area of the tank (A)= $7.486 \times 10^{-3}$ m <sup>2</sup>	
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Lab Incharge

Mrs.P.Vindhya

