**Development of Virtual lab :Round 2 (R2)-Storyboard - Template (Worksheet)**

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**Round 2**

**1. Story Outline:**

**To study the applications of the Bernoulli’s equation**

**a) Venturimeter**

**2. Story:**

**Venturimeter: is a device used for measuring the rate of flow of a fluid**

**flowing through a pipe. It consists of three parts:**

**• A short converging part**

**• Throat**

**• Diverging part**

**Let d1 = diameter at the inlet**

**p1 = pressure at section 1**

**v1 = velocity at section 1**

**A1= area at section1**

**d2, p2, v2, A2 are the corresponding values at the throat.**

**2.1 Conclusion:**

**How to find coefficient of discharge through Venturimeter tube using some inputs**

**2.2 Equations/formulas:**

**A1\*v1=A2\*v2**

**H={(v2+v1)(v2-v1)}/2g**

**coefficient of discharge=(coeficient of venturimeter)\*A1\*A2(2gh/A12-A22)1/2**

**3. Mindmap**

PLANING------SKETCHING OF VENTURIMETER TUBE-----USE HTML/CSS/JAVASCRIPT------DONE

**4. Flowchart**

