** ANURAG GROUP OF INSTITUTIONS**

(Formerly CVSR COLLEGE OF ENGINEERING)

Venkatapur (V), Ghatkesar (M), R. R. Dist.

**(Autonomous)**

**DEPARTMENT OF MECHANICAL ENGINEERING**

Name of the Course: **MECHANICS OF FLUIDS AND HYDRAULIC MACHINES LAB**

Name of the course coordinator: **Dr. P. RAVIKANTH RAJU**

**Course Outcomes:**

After completion of this course the students will be able to:

1. Understand the basic concept of types of pumps and study their performance.
2. Analyze the impact of fluid jet on structure of vanes.
3. Study the types of turbines and their overall efficiency.
4. Determine the losses in pipes due to different pipe fittings.
5. Study the characteristics and applications of flow measuring devices.

**Articulation matrix of CO’s with PO’s and PSO’s**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Program Outcome’s** | | | | | | | | | | | | **PSO’s** | | |
| **PO1** | **PO2** | **PO3** | **PO4** | **PO5** | **PO6** | **PO7** | **PO8** | **PO9** | **PO 10** | **PO 11** | **PO12** | **PSO1** | **PSO2** | **PSO3** |
| **CO1** | **3** | **3** | **-** | **2** | **-** | **-** | **-** | **-** | **3** | **-** | **-** | **-** | **3** | **-** | **3** |
| **CO2** | **3** | **3** | **-** | **2** | **-** | **-** | **-** | **-** | **3** | **-** | **-** | **-** | **3** | **-** | **3** |
| **CO3** | **3** | **3** | **-** | **2** | **-** | **-** | **-** | **-** | **3** | **-** | **-** | **-** | **3** | **-** | **3** |
| **CO4** | **3** | **3** | **-** | **2** | **-** | **-** | **-** | **-** | **3** | **-** | **-** | **-** | **3** | **-** | **3** |
| **CO5** | **3** | **3** | **-** | **2** | **-** | **-** | **-** | **-** | **3** | **-** | **-** | **-** | **3** | **-** | **3** |
| **AVG** | **3** | **3** | **-** | **2** | **-** | **-** | **-** | **-** | **3** | **-** | **-** | **-** | **3** | **-** | **3** |

***Note*: 1 - Slight**

**2 - Moderate**

**3 - Substantial**

**Signature of the Course Coordinator**