**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: **KINEMATICS OF MACHINERY**

Name of the course coordinator: **Mrs. A. NEERAJA**

**Course Outcomes:**

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

1. Distinguish the different types of motions and represent the displacement, velocity & acceleration graphically.
2. Understand the working of types of mechanisms and their application in real life.
3. Understand and the real time applications of power transmission mechanisms and analyze the motion of bodies (static & dynamic)
4. Know the need for friction and its applications and represent the turning moment graphically and the applications of flywheel.
5. Utilize the governors for various practical applications and balance the vibrating machinery.

**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** | **1** | **2** | **-** | **-** | **-** | **-** | **-** | **1** | **1** | **2** | **3** | **2** | **1** |
| **CO2** | **3** | **3** | **2** | **3** | **1** | **-** | **-** | **-** | **-** | **1** | **2** | **2** | **3** | **2** | **1** |
| **CO3** | **3** | **3** | **3** | **3** | **1** | **-** | **-** | **-** | **-** | **1** | **1** | **2** | **3** | **3** | **1** |
| **CO4** | **3** | **3** | **2** | **3** | **1** | **-** | **-** | **-** | **-** | **1** | **2** | **2** | **1** | **3** | **3** |
| **CO5** | **3** | **3** | **2** | **3** | **1** | **-** | **-** | **-** | **-** | **1** | **2** | **2** | **1** | **2** | **3** |
| **AVG** | **3** | **3** | **2** | **3** | **1** | **-** | **-** | **-** | **-** | **1** | **2** | **2** | **2** | **2** | **2** |

***Note*: 1 - Slight**

**2 - Moderate**

**3 - Substantial**

**Signature of the Course Coordinator**