

SNS COLLEGE OF TECHNOLOGY COIMBATORE-35 DEPARTMENT OF MECHATRONICS ENGINEERING 19MCT203 MECHANICS OF MACHINES



<u>UNIT – V</u> BALANCING

What is Balancing?

- Moving parts of a machine will have associated (i) applied forces/torques and (ii) inertia forces/inertia torques.
- The inertia forces and/or inertia torques primarily cause the unbalance in the rotating and reciprocating machines.
 - Inertia forces = Shaking or rocking or unbalanced or disturbing forces Inertia moments = Shaking or rocking or unbalanced or disturbing moments

Definition: Balancing is the technique or process of correcting or eliminating unbalance due to inertia forces and moments.

