

ENGINEERING MECHANICS

CONTENT

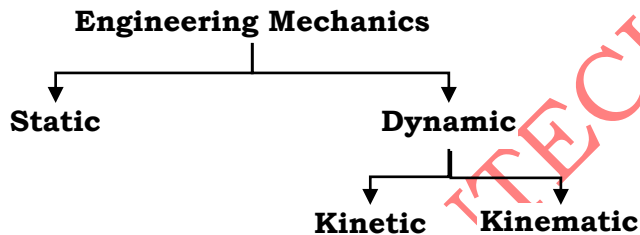
- 1. Definition of Mechanics**
- 2. Types of Mechanics**

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Engineering Mechanics

Mechanics

“**Mechanics** is a branch of science which deals with the study of forces and their effects on bodies in **motion or at rest.**”



1. **Statics:** It is the branch of applied mechanics which deals with action of forces on bodies at rest.
2. **Dynamic:** It is the branch of applied mechanics which deals with action of forces on bodies in motion.
3. **Kinetics:** It is the branch of dynamics which deals with action of forces on bodies in motion considering mass of the body and forces causing motion.
4. **Kinematics:** It is branch of dynamics which deals with action of forces on bodies in motion without any consideration of the mass of the body and forces causing motion.

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