

KIET GROUP OF INSTITUTIONS
DEPARTMENT OF MECHANICAL ENGINEERING



Engineering mechanics
(KME-402)

Unit I

Two-dimensional force systems: Basic concepts, Laws of motion, Principle of transmissibility of forces, transfer of a force to parallel position, resultant of a force system, simplest resultant of two dimensional concurrent and non-concurrent force systems, distribution of force systems, free body diagrams, equilibrium and equations of equilibrium.

Friction: Friction force – Laws of sliding friction – equilibrium analysis of simple systems with sliding friction – wedge friction.

Mechanical Engineering 1st Year Notes Jain University

A Loxley



Mechanical Engineering 1st Year Notes Jain University:

Mechanical Engineering 1st Year Notes Jain University Book Review: Unveiling the Magic of Language

In an electronic era where connections and knowledge reign supreme, the enchanting power of language has been apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Mechanical Engineering 1st Year Notes Jain University**," written by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we will delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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