

Topic: Gear

Relevant Course: Kinematics and Dynamics of Machinery / Theory of Machines

Relevant Department: Mechanical Engineering, Automobile Engineering

Relevant semester: 3rd/ 4th / 5th semester

Pre-requisite: Engineering Mechanics

Topic Description:

Nomenclature for spur gears, Fundamental law of gearing, Conjugate action for Involute tooth profile, Contact Ratio, Interference and Undercutting, Minimum number of teeth to avoid interference, Simple & Compound Gear train, Planetary Gear train

Reference: Theory of Mechanisms and Machines by A. Ghosh and A. K. Mallik