

Prof Incharge: Abhijit Sarkar, IITM

Relevant Course: Kinematics of Machines

Topic Name: Gears and Gear Trains

Relevant Department: Mechanical Engineering

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

Topic Description and Outline:

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

Pre- requisites: Engineering Mechanics