Gear Trains

- A mechanism used to transmit power or motion from one shaft to another with the help of gear wheels.

- Like belt, rope and chain drives

- Widely used in modern world. Clocks, watches, lathes, ships, automobiles etc.

Train value

- The value of a gear train is defined as

Train value= $\dfrac{speed\ of\ the\ follower\ gear}{speed\ of\ the\ driver\ gear}$

$$Train\ value = \frac{N_f}{N_d}$$

Types of gear trains

- Simple gear train

- Compound gear train

- Reverted gear train

- Epicyclic gear train