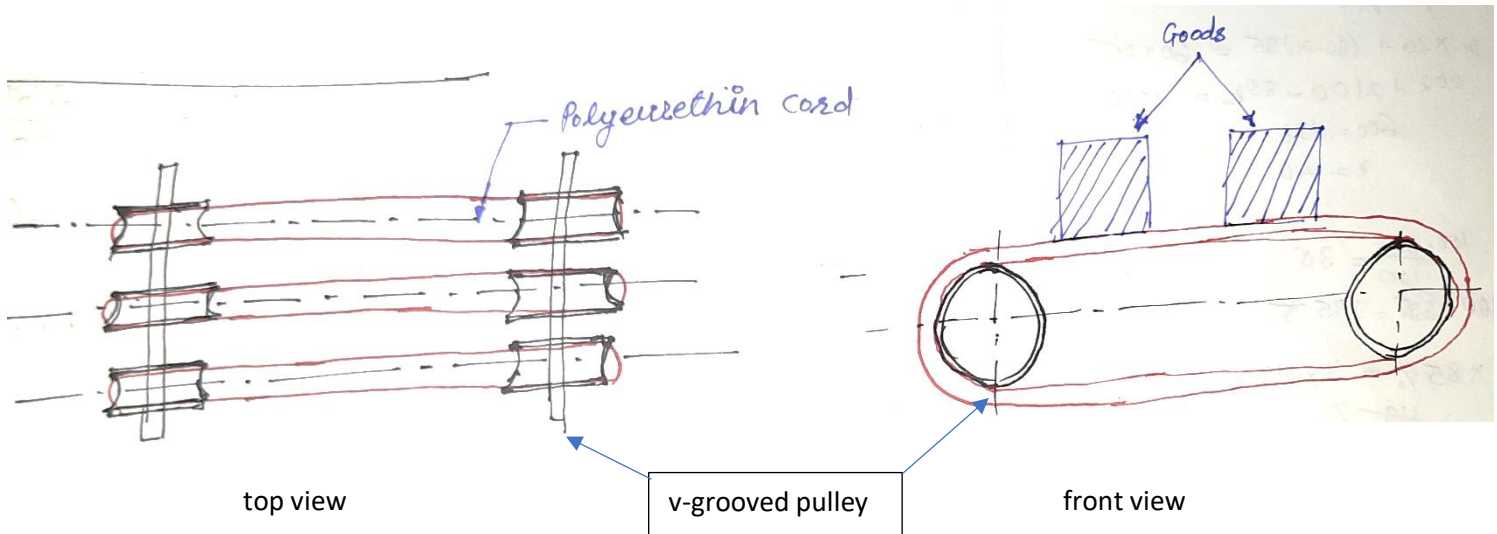


## Innovative ideas of conveyor belt in engineering industry

### Concept 1- use of polyurethin cord



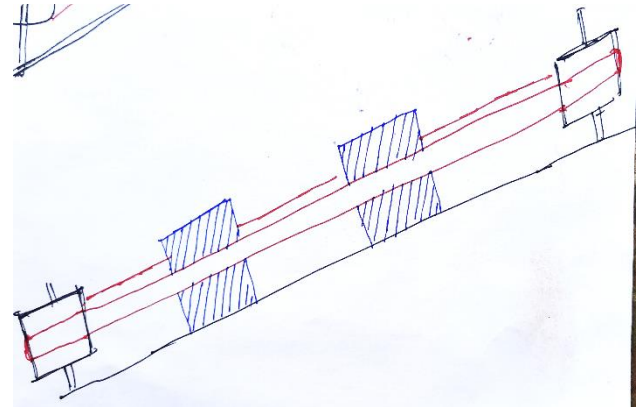
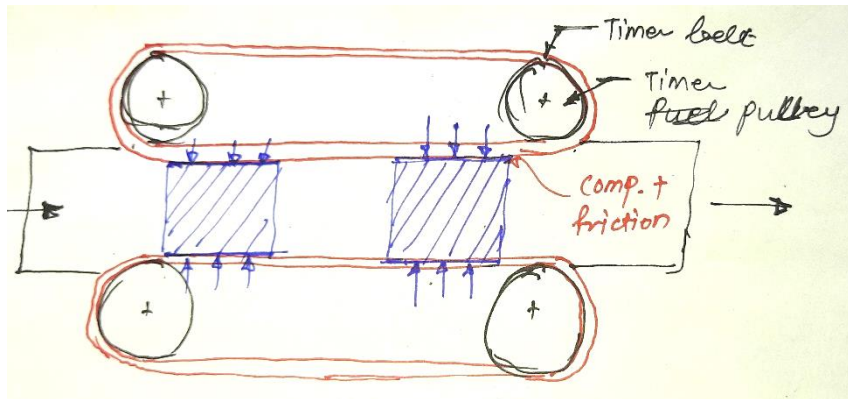
problem- conveyor belt tends to slip while working with higher loads also wear of conveyor belt over the time is problem. Due to accumulation of the dirt and contaminations belts tends to slip from the centre and required maintenance.

Solution- use of polyurethin cord can work with high loads because it has more coefficient of friction. Combined with V-groove pulleys we can increase transmission capacity. Polyurethin cord has good tear resistance and physical strength than flat conveyor. We can also increase the load carrying capacity by developing polyurethin cord conveyor system on upper side of goods hence increasing the contact surface.

Polyurethin cord-



Concept 2- using compression by belt and friction-



Contact surface on both the side increase load  
Carring capacity

Both side belts guide goods towards inclined  
surface easily

Problems-increasing the load carrying capacity of normal conveyor with high speed is difficult task. Innovative mechanism is required to lift the load on inclined surface.

Solution- goods are held tightly with the help of compression by both sides belt and increased friction surfaces on both the sides. Tightly firm belts can guide the goods on inclined surfaces easily. belt grips can carry the load at fast speed than usual.