**Height based conveyor belt segregation**

**Objective** :- Objective of this project is to develop structure where parts manufactured in manufacturing plant are segregated based on the height without using electronics structure.

**Abstract :-** In this project we are going to separate or segregate parts of different height. This project consists of two major sections 1. Conveyor belt which carries material from one to other place.2. Segregation mechanism.

Conveyor belt carries parts of different carries from one to other point.

Segregating mechanism separates maximum height part into. Next to these parts height job will be segregated in next cycled. And the last one will move directly and fall into tray.

**Working Principle :**- Here we have used basic principle where we have two stopper mounted at different height. When part goes on conveyor as per its height it gets stucked in to stopper. Lower height job will fall in to tray mounted at end middle ladle.

And higher height job will settle down in first tray

**Advantages**

1. No electronic components
2. Less initial cost.
3. Stopper heights can be adjusted

**Disadvantages :-**

1. Limited variants heights can segregated