IE223L Workstudy and Methods Engineering

Student Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Program: BS Industrial Engineering

## Lab 08: To Draw the flow chart of the part produced.

## Theory:

## Flow Chart

## Flow Diagram

In any production shop repair shop or any other department there are movements of men and material from one place to another Process charts indicate the sequence of activities They do not show the frequent movements of men and material these movements are minimized; a lot of savings can be achieved in casa effort. In the path of movement of material is not frequent and simple, flow diagram is used for recording the movement. A flow diagram is a diagram which is drawn to scale. The relative position of machineries. gangways material handling equipment etc. s drawn first. Then the path followed by men or material is marked on the diagram Different movements can be marked in different colours. Process symbols are added to the diagram to identify the different activities at different work Centers

## Utilization:

The flow diagram is used for the following purposes

1. To remove unwanted material movement

2 To remove back tracking

3 To avoid traffic congestion.

4. To improve the plant layout

## Conventions adopted are

1. Heading and description of the process should be given at the top of the diagram

2. Other information like location, name of the shop, rime of the person drawing the diagram are also given

3. The path followed by the material is shown by a flow line

4 Direction of movement is shown by small arrows along the flow lines

5.The different activities are represented by the symbols on the flow limes (Same symbols used in flow process chart are used here)

6. If more than one product is to be shown in the diagram different colored for each path

## Objective:

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**Procedure:**

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## Comments: