

# PRACTICAL # 10

Date

## STRING DIAGRAM

Object:-

Make a string diagram of a lab having many machines.

Equipment:-

strings, pin, board, etc.

Procedure:-

- Draw a scale layout of the shop area and make various features such as: machines, work benches, store etc.

- Mount this scaled drawing on a soft board and strike pins all the places from where the path of workers/material starts.

- A continuous colored and unstretchable string taken from 1st to the last pin is wound to mark the path followed by workers/materials.

Observation:-

- Mounting the thread according to the machine is must.

- Labelling the pins in sequence is necessary.

- strings should be coloured for helping in remembering.

# PRACTICAL NO 11

Date

## WORK MEASUREMENT

Object:-

Cut a paper into eight pieces and eliminate unnecessary operations.

Equipments:-

paper, cutter, scale, pencil and stop watch.

Description:-

In this method first we take the paper and draw the line with the help of scale & pencil then paper is divided into eight equal parts/pieces according to line. Now cut the paper with the help of cutter. The pieces must be equal in width and breadth.

**PROCEDURE TO DEVELOPED METHOD:-**

In this method first we take the paper and fold it in such a way that it may be divided in eight equal parts or pieces. After folding the paper cut the paper in such a way that paper must be cut into equal parts/pieces.

Observation:-

From the above experiment it is clear that old method is very lengthy while developed method is very short & takes less time.

Result:-

Un-necessary operations are eliminated and the method is developed.

