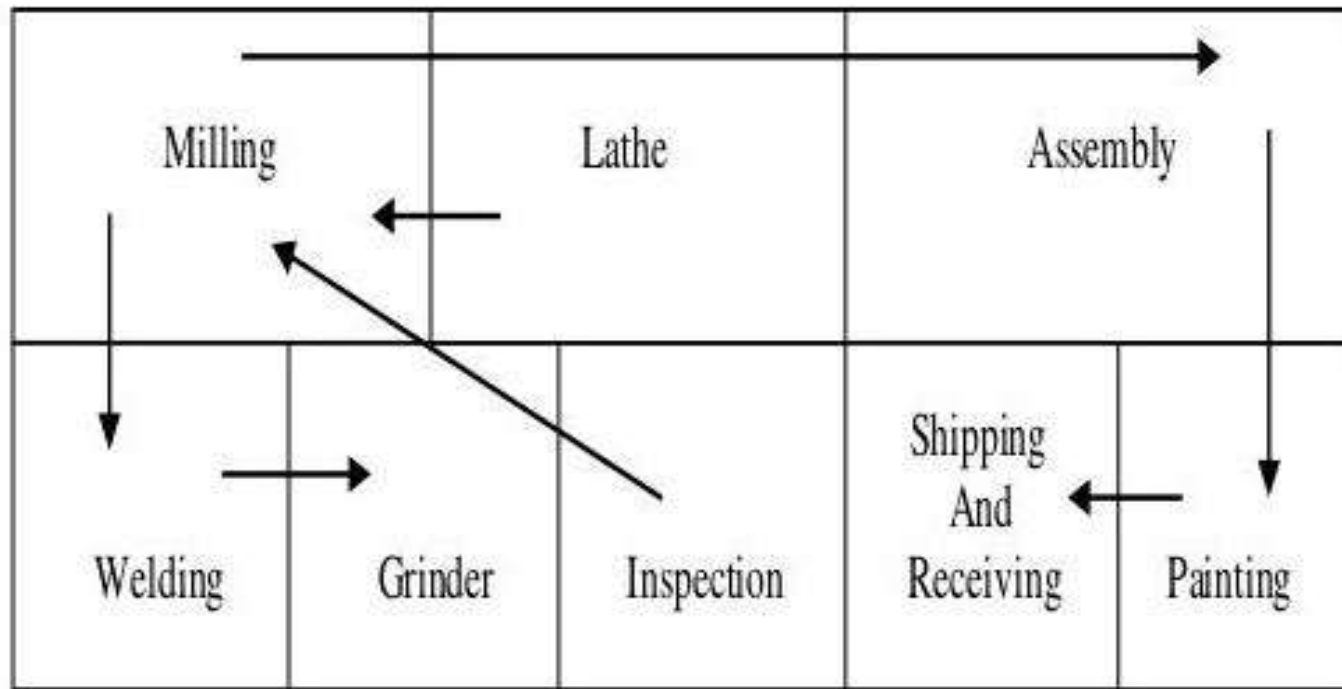


# LECTURE 4

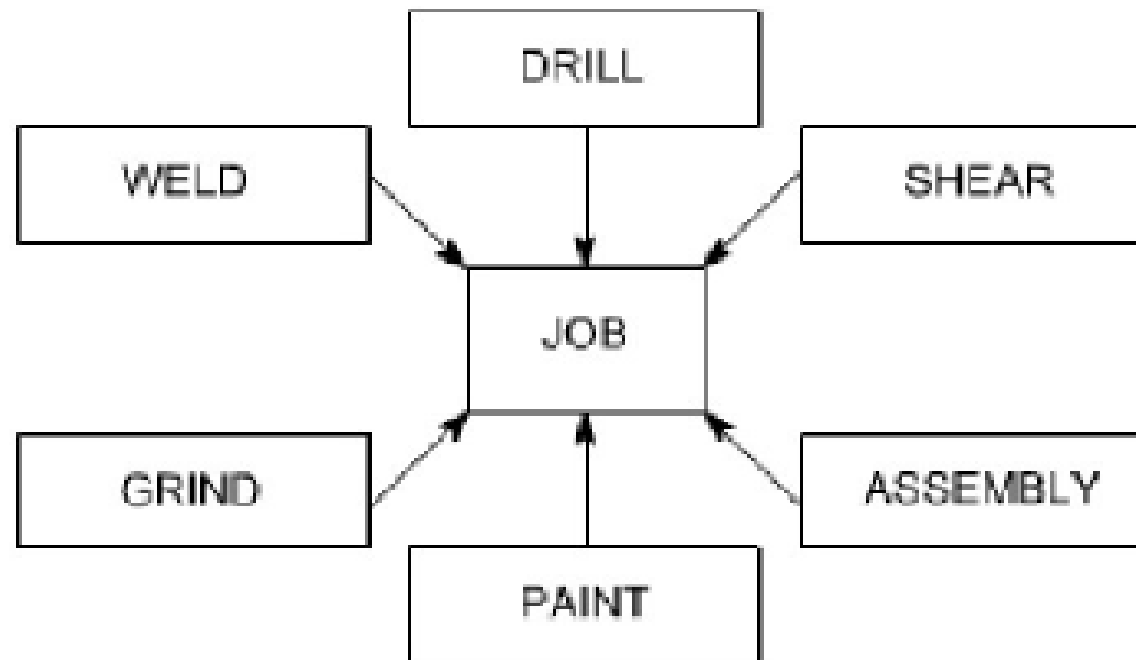
# Functional Layout

In this type of layout arrangements of similar machines, production facilities and manufacturing operations are grouped together according to their functions.



# Fixed Layout

In this type of layout the major part of an assembly or material remains at a fixed position. All its accessories, auxiliary material, machinery, equipment needed, tools required and the labor are brought to the fixed site to work.



# GROUP Layout

A combination of process and product layouts combines the advantages of both types of layouts. Most of the manufacturing sections are arranged in process layout with manufacturing lines occurring here and there scattered wherever the conditions permit.

