

SEQUENTIAL & CONCURRENT ENGINEERING

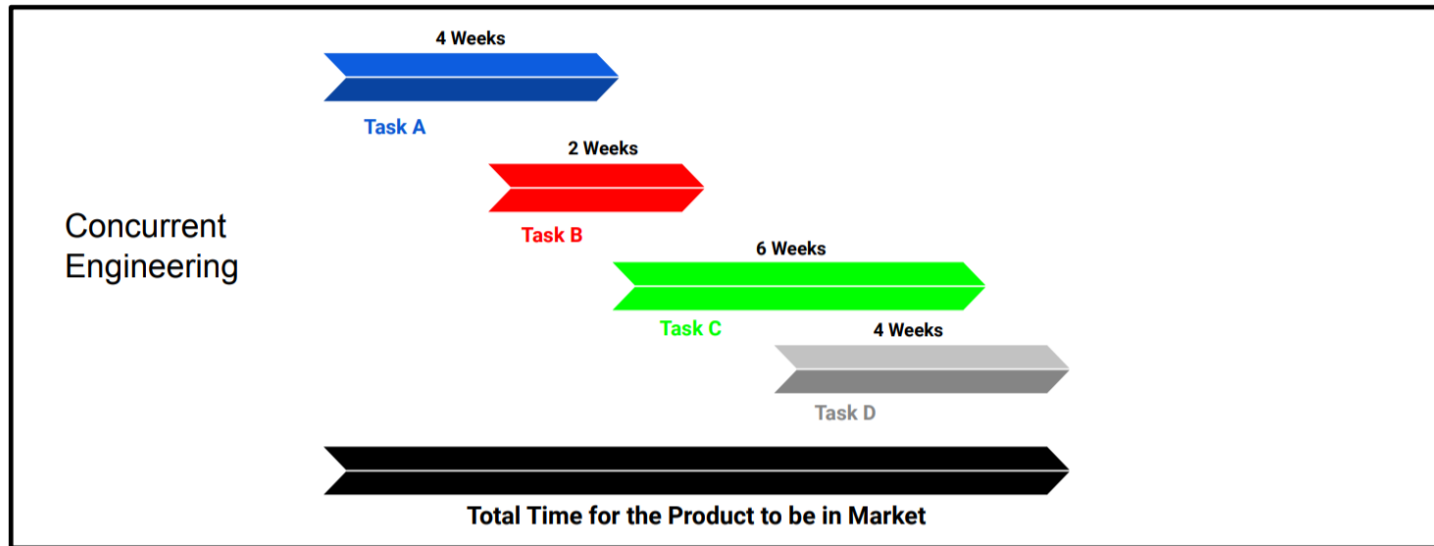
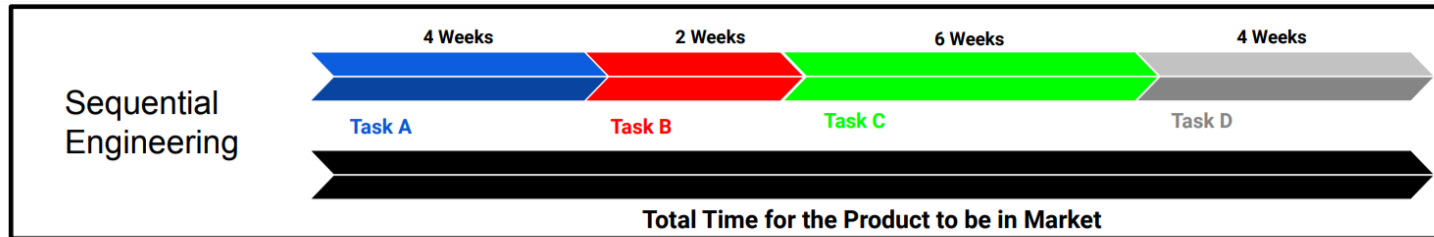
Course : Computer Aided Machine Drawing

19ME304

**Unit -1 Fundamentals of Computer
Graphics**

**II Year / III Semester
Mechatronics and Mechanical
Engineering (AM)**

TOPIC OF THE DAY

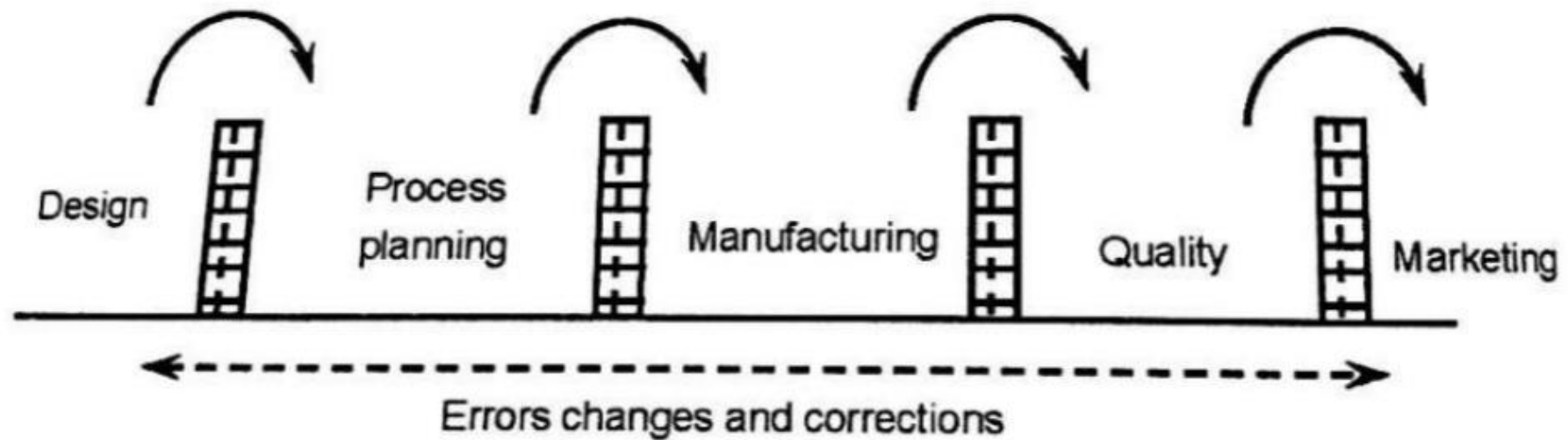




SEQUENTIAL ENGINEERING

- Three major phases of conventional manufacturing process are design, process planning and manufacturing.
- All these phases are sequentially carried out .

SEQUENTIAL ENGINEERING APPROACH

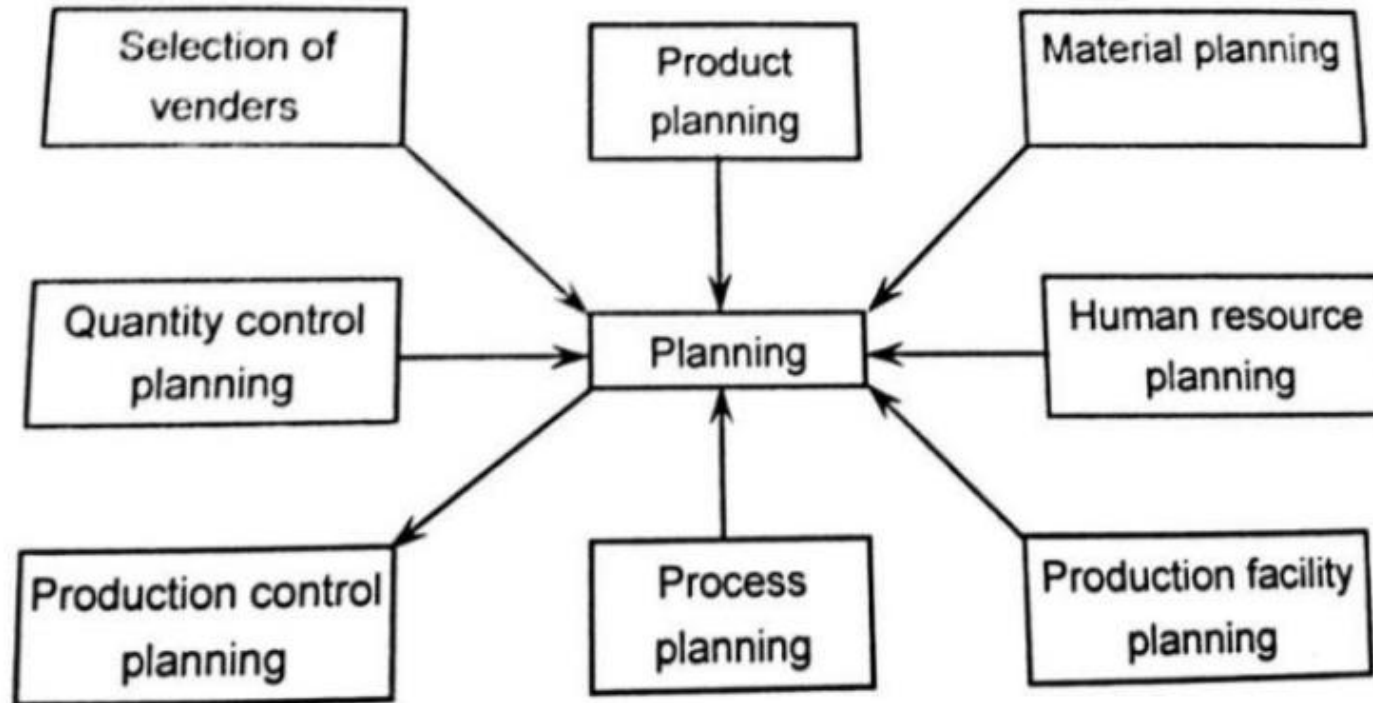




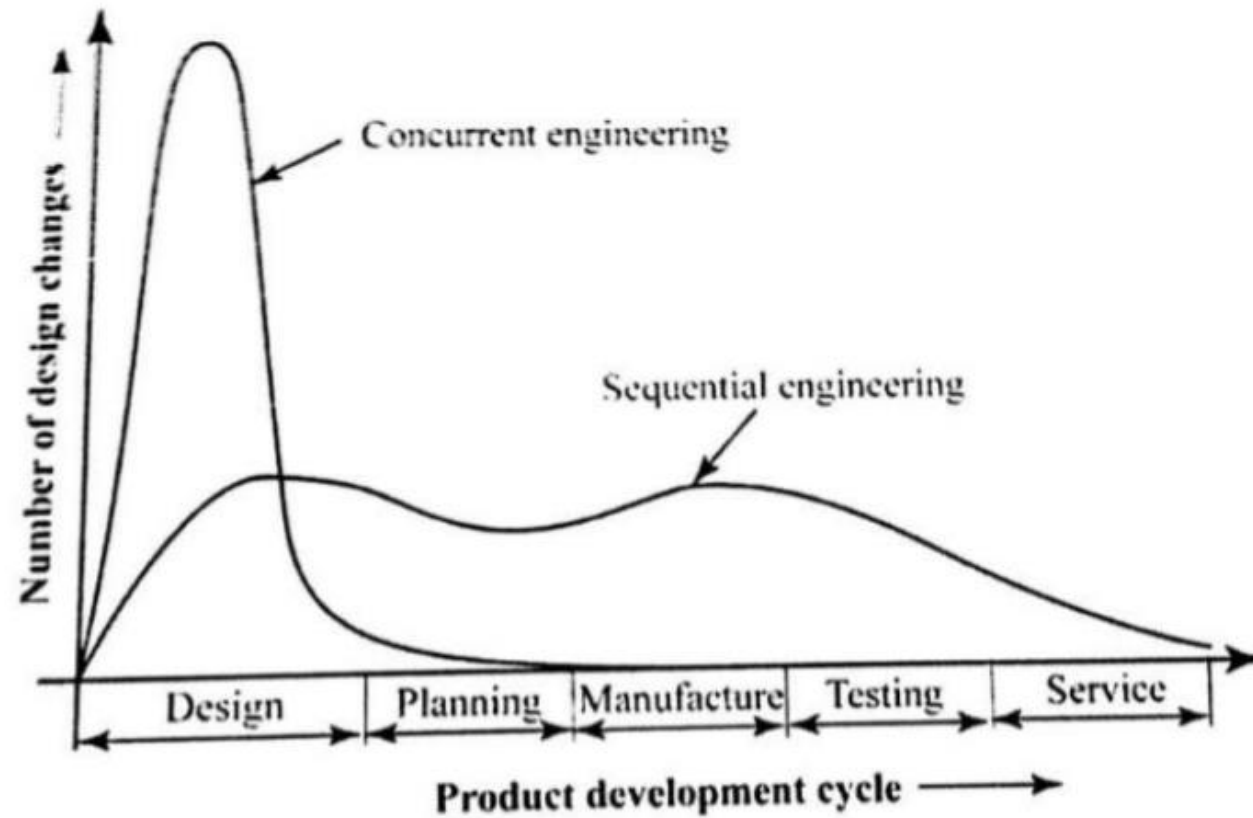
CONCURRENT ENGINEERING

- The methodology of reconstructing the product related activity in manufacturing organization using cross functional team.

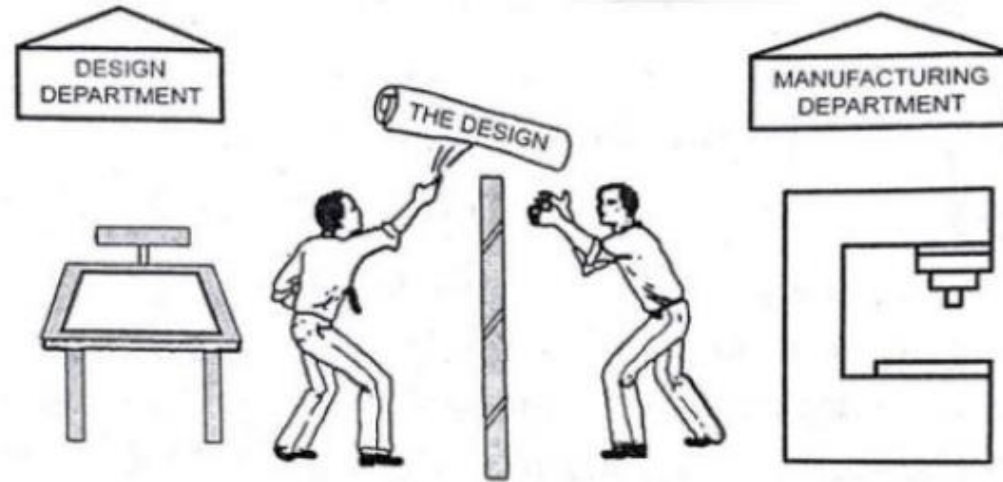
CONCURRENT ENGINEERING WORKFLOW



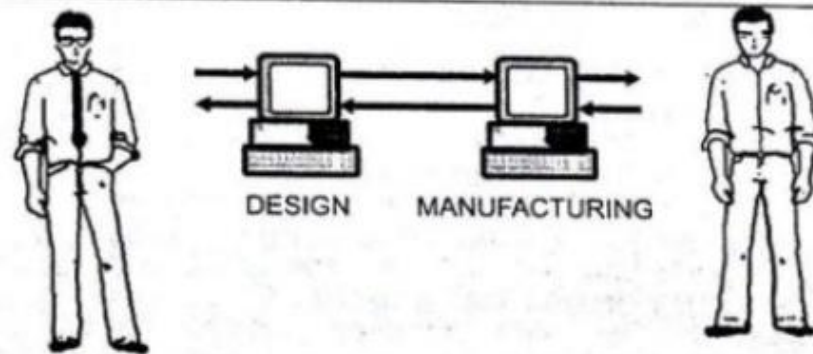
COMPARISON



COMMUNICATION IN CONCURRENT ENGINEERING



(a) Traditional design/manufacturing communication in sequential engineering





REFERENCES

1. Ibrahim Zeid “Mastering CAD CAM” Tata McGraw-Hill Publishing Co.2007.
2. Radhakrishnan P, Subramanyan S. and Raju V., “CAD/CAM/CIM”, 2nd Edition, New Age International (P) Ltd, New Delhi, 2000.

