

International Institute Of Professional Studies

Gantt Chart

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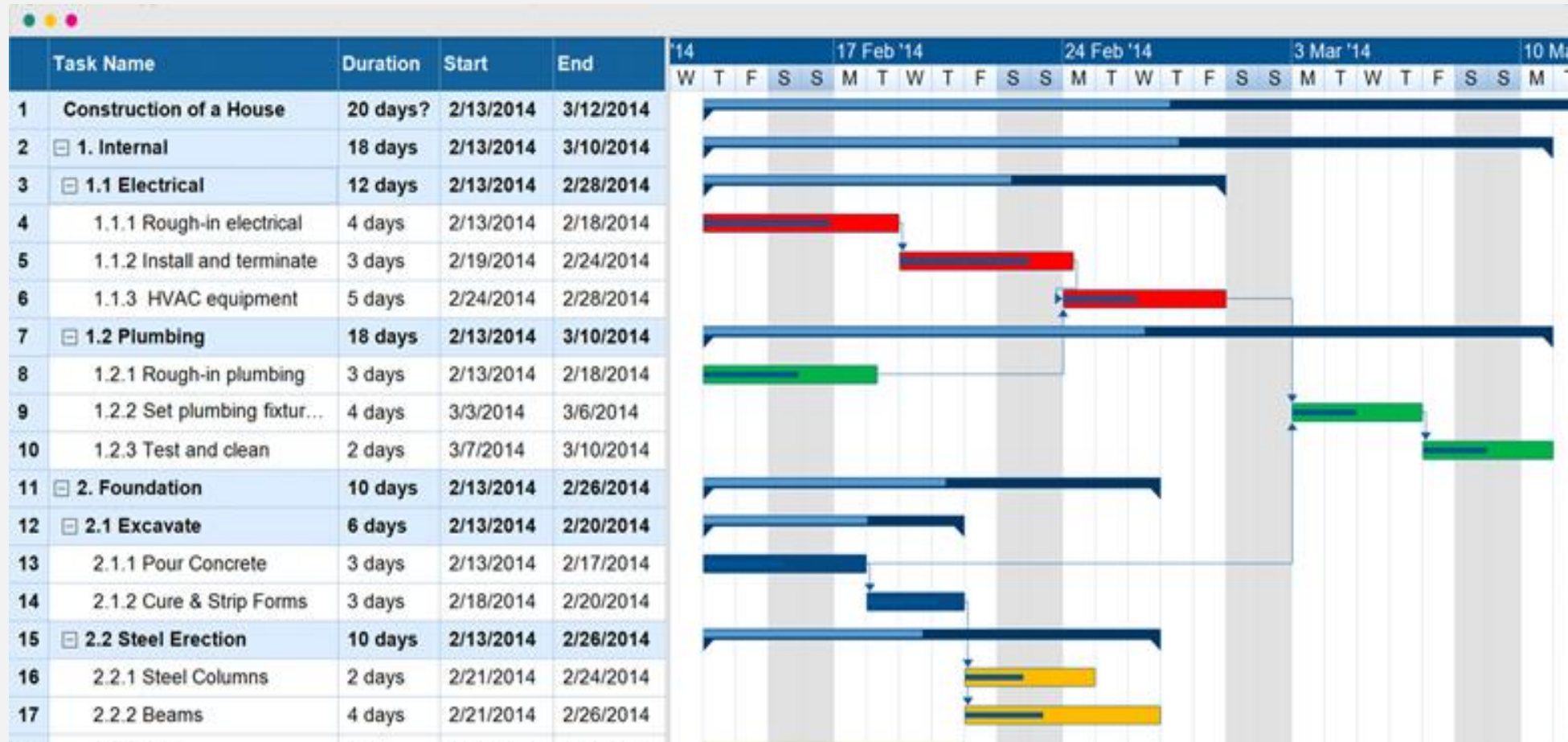


WHAT IS A GANTT CHART?

- ❖ A chart that represents different task that need to be performed while making any project corresponding to the time taken by those activities is called as a gantt chart.
- ❖ It is somewhat similar to the bar chart.
- ❖ On the left, there are a list of activities shown in the chart and along the top there is a time scale.
- ❖ The activities are represented by bars, where the position and length of the bar reflects the start date, duration and end date of the activity.



GANTT CHART EXAMPLES



months	1	2	3	4	5	6	7	8	9	10
project phases										
Planning										
Design										
Coding										
Testing										
Delivery										

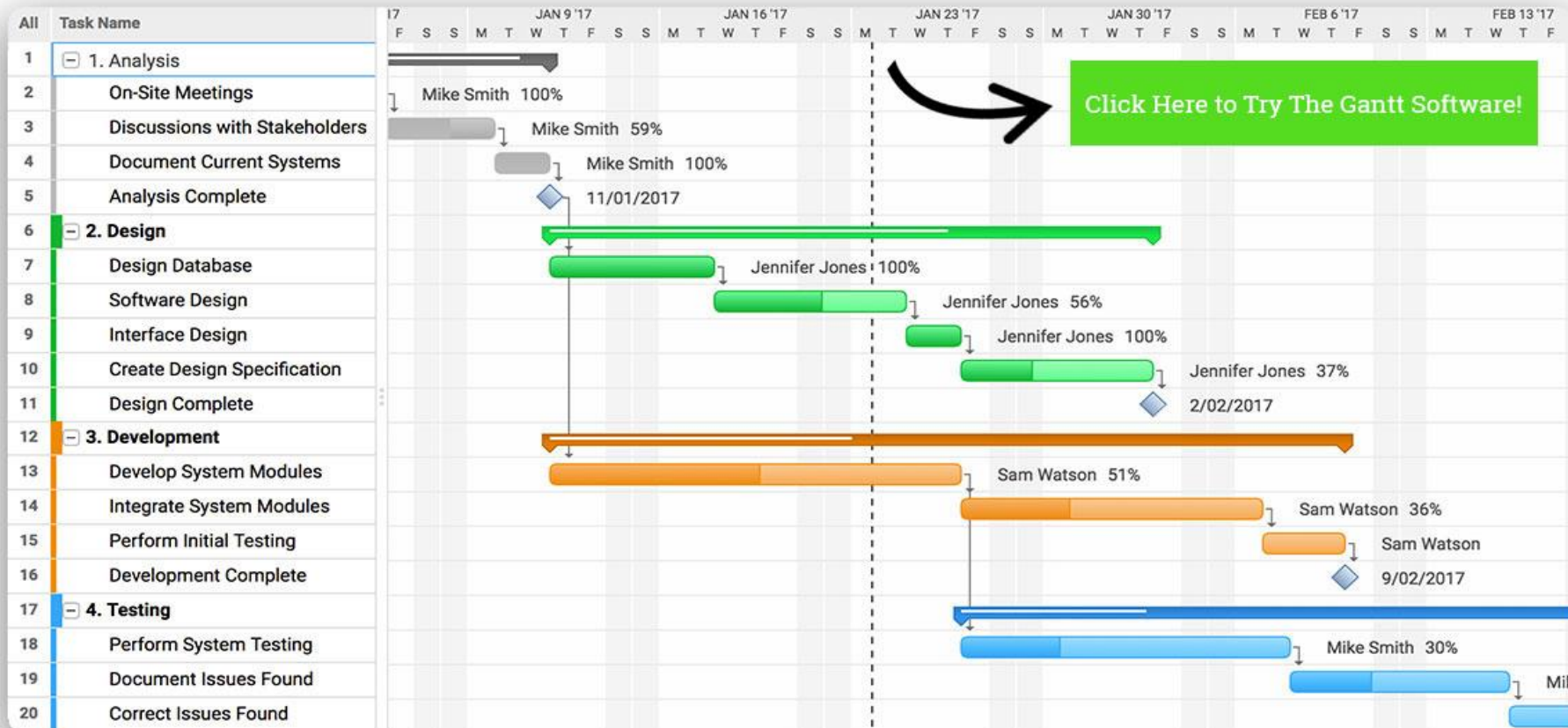


So basically a gantt chart allows us to see the following things:

- a. What the various activities are
- b. When does each activity begins and ends
- c. Duration of the activity i.e how long an activity is scheduled to last.
- d. The start and end date of the whole project.
- e. Where activities overlap with each other and by how much.



MORE EXAMPLES



HISTORY OF GANTT CHART

- Henry gantt proposed the gantt chart.
- Originally gantt chart were prepared by hand. So each time a project change, it was necessary to amend or redraw the chart.
- Today it is most commonly used for tracking project schedules.



HOW TO MAKE A GANTT CHART

- Gantt chart are created using Project Management Information System(PMIS) such as project planner, Microsoft project and mind view.

THERE ARE BASICALLY SIX STEPS OF MAKING A GANTT CHART:

- i. Review scope baseline
- ii. Create Activities
- iii. Sequence Activities
- iv. Estimate Resources
- v. Estimate Durations
- vi. Develop Schedule



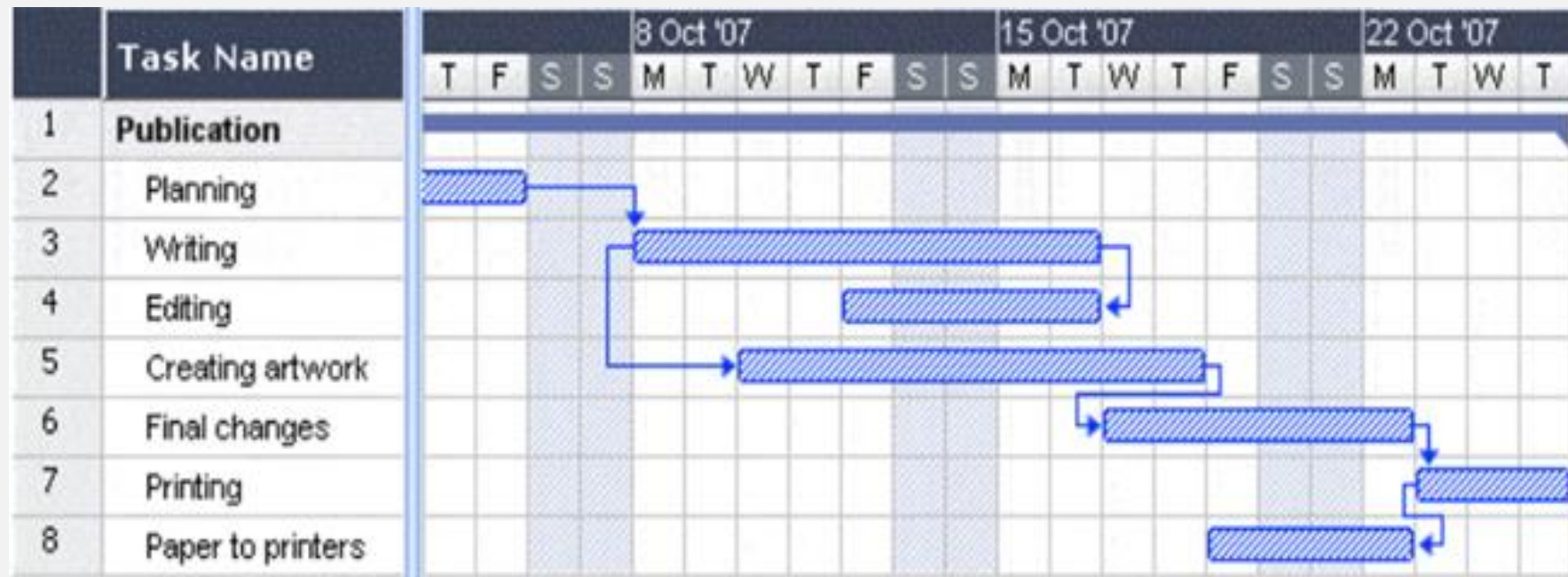
WAYS OF SEQUENCING ACTIVITIES

- Every activity except the first and last has a relationship with a predecessor and successor. There are basically 4 such relationships:
 - i. Finish to start
 - ii. Start to start
 - iii. Start to finish
 - iv. Finish to finish

First two relationships are most commonly used in the project management.

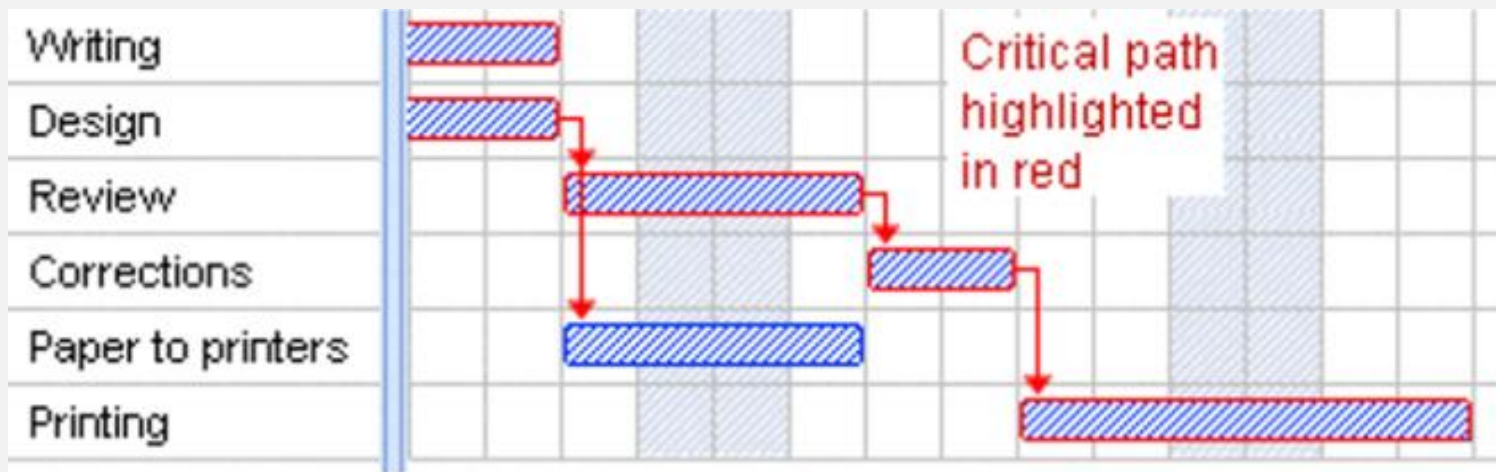


SEQUENCING EXAMPLE



CRITICAL PATH ACTIVITIES

- 1) It is the longest path in the schedule.
- 2) It is called as critical because any delay in the critical activity can lead to the same delay in the end date of the project.
- 3) It is highlighted by the red lines in the gantt chart.



LEADS AND LAGS IN PROJECT

A lead is an intentional adjustment to an activity by making the start date earlier than planned.

- It is used to accelerate the schedule. Thus also increases the risk.

It can be done in two ways:

1. Fast tracking: overlapping activities(increases risk)
2. Crashing: Increasing Resources(increases cost)



REFERENCES

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THANKYOU

