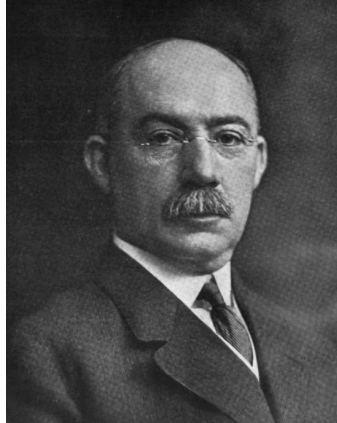


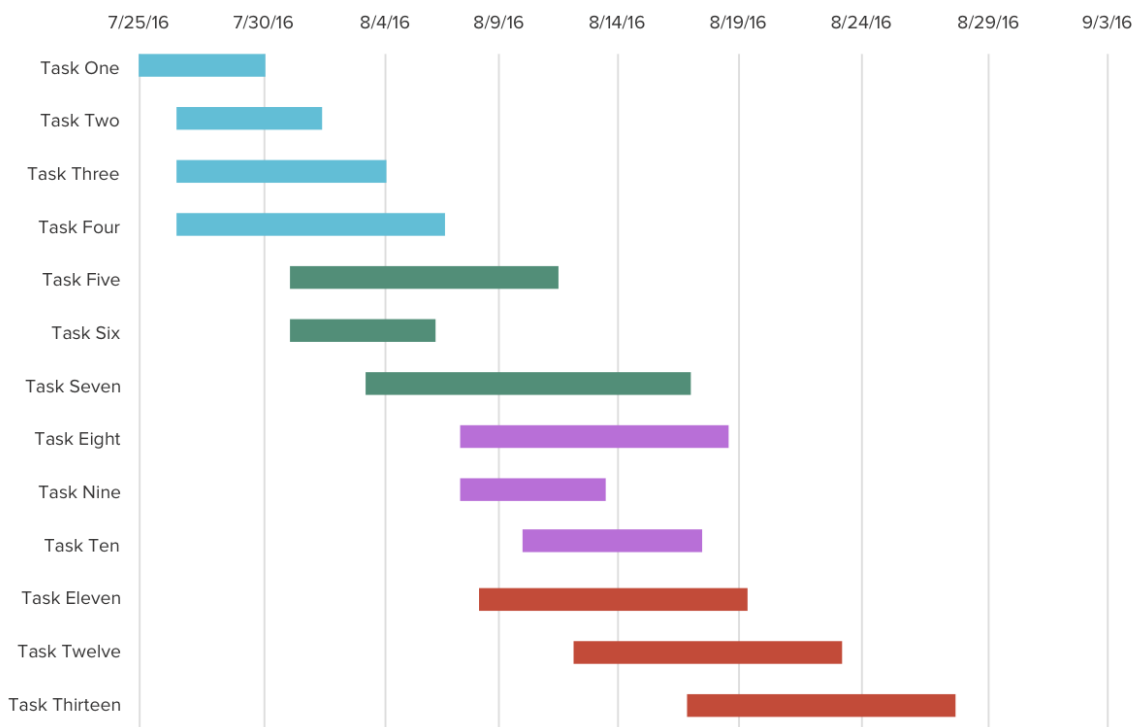
Lesson #11 Gantt Charts

1. Henry Gantt was a mechanical engineer and management consultant who developed an organizational system for managing complex projects. [The system involves the use of a Gantt chart, developed by Henry Gantt in 1910.](#)



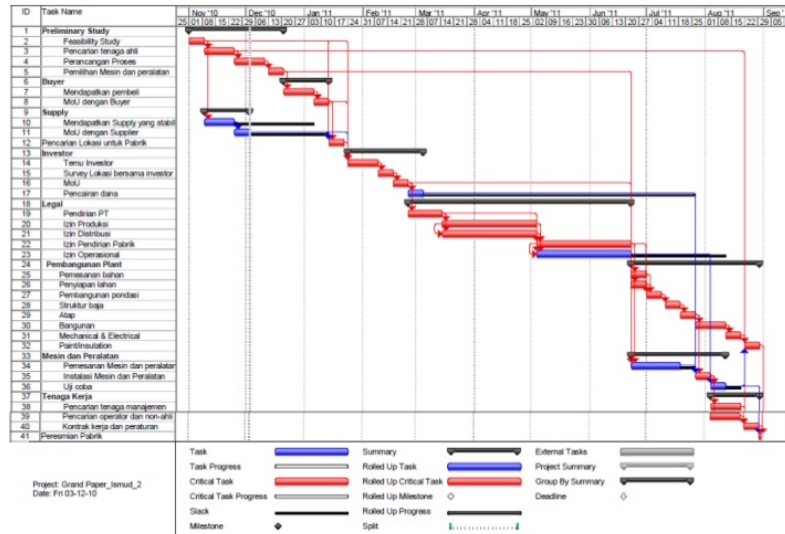
2. The purpose of a Gantt chart is to [organize and sequence the steps involved in a project.](#) It is used by engineers and project managers to ensure that certain [components of a project occur in a specific sequence.](#) Sequencing ensures that all components that are required by subsequent components are complete so that no delays or errors occur.

Excel Gantt Chart Template



3. To set up a Gantt chart you put the items that need to be done on the vertical axis and the timeline on the horizontal axis. The horizontal bars can be colour coded to represent a specific phase of the project and as you can see in the above chart they can overlap. A Gantt chart can be done on graph paper or you can use an excel spreadsheet.

Gantt Chart



4. Gantt charts can range from very simple (one or two steps) to very complex (the Burj Khalifa).

5. Set up a basic Gantt chart for the construction of a house. The components to building a house are listed below, note that they are not in any particular order. Estimate the timeline to the best of your ability:

1. Permit
2. Survey
3. Excavation
4. Footings
5. Foundation stem walls
6. Framing
7. Roofing
8. Exterior windows and doors
9. Siding
10. Decking
11. Drywall
12. Paint
13. Flooring
14. Cabinets
15. Finish carpentry