

Assignment
Kasbit University
Department of BBA



Topic:

GANTT CHART

Subject:

INTRODUCTION TO COMPUTERS

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GANTT CHART

INTRODUCTION:

- *A GANTT chart is a type of bar chart that illustrates a project schedule.*
- *After the PERT/CPM analysis is completed, the following phase is to construct the GANTT chart and then to reallocate resources and reschedule if necessary.*
- *GANTT charts have become a common technique for representing the phases and activities of a project work breakdown structure.*
- *It was introduced by Henry Gantt around 1910-1915.*

POSSIBLE NURSING ACTION FOR A PROJECT:

- *Gather data*
- *Analyse data*
- *Develop a plan*
- *Implement the plan*

- *Evaluation, feedback, and modification.*
- *Application of these controlling process by nurse managers would be specific to the project or program.*
- *Also these 5 major activities with estimated completion times. The nurse manager's goal is to complete each activity or phase on or before the projected date.*

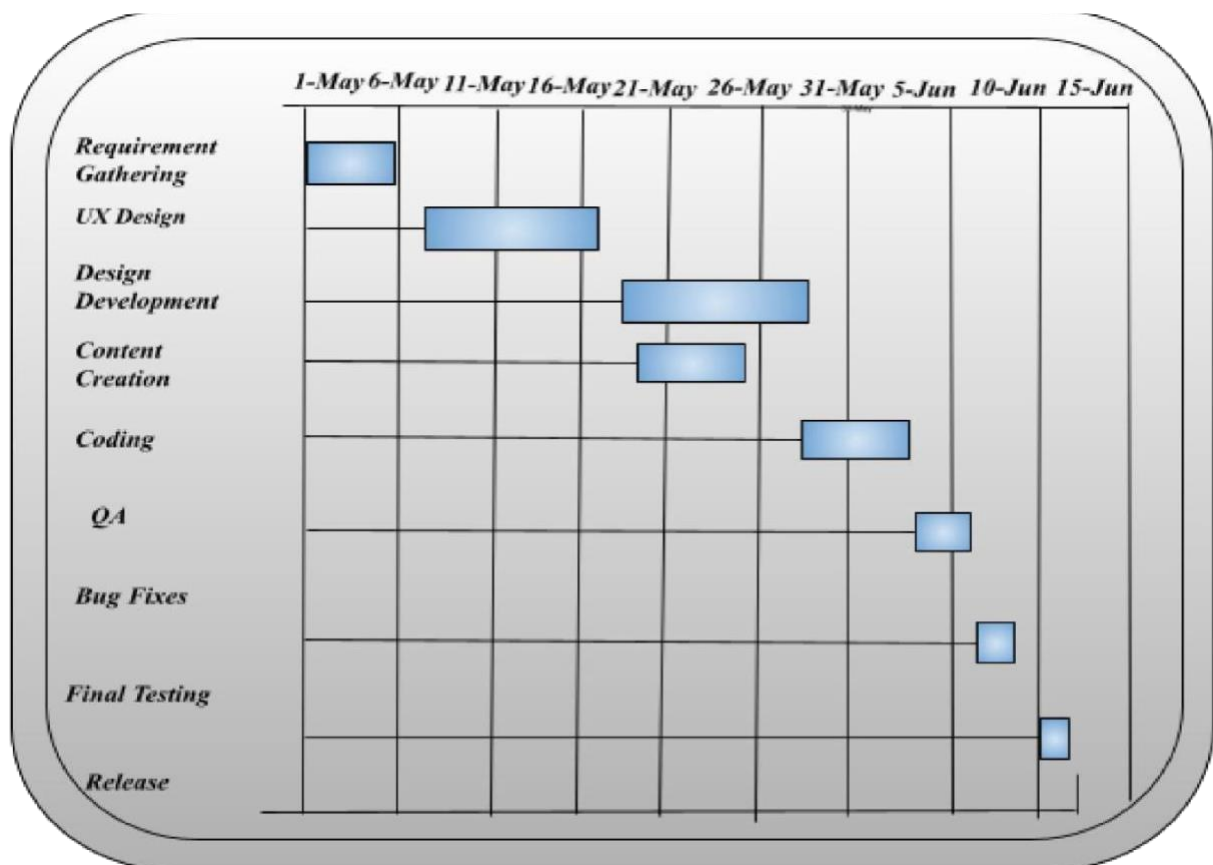
USES OF GANTT CHART:

- *To show the current schedule status.*
- *To measure task duration in the project.*
- *To represent cost, time and scope of the project.*
- *A useful tool for planning and scheduling project.*
- *To plan how long a project should take.*
- *Lays out the order in which the tasks need to be carried out.*
- *Modern Gantt charts software provides dependencies between tasks.*
- *To monitor a project's progress.*
- *To visualize immediately what should have been achieved at any point in time.*
- *To assist in taking remedial action to bring the project back on course, if required.*

CONSTRUCTION OF GANTT CHART:

The steps to construct a GANTT chart from the information obtained by PERT/CPM are:

- 1. Schedule the critical tasks in the correct position.*
- 2. Place the time windows in which the non-critical tasks can be scheduled.*
- 3. Schedule the non-critical tasks according to their earliest starting times.*
- 4. Indicate precedence relationships between tasks*



ADVANTAGES:

- *It helps in planning and monitoring the work of project.*
- *Time is explicitly expressed in the chart.*
- *All tasks are visible at a glance in relation to others.*
- *Deadlines are depicted in the chart.*

LIMITATIONS:

Although project management software can show schedule dependencies as lines between activities, displaying a large number of dependencies may result in a cluttered or unreadable chart. Because the horizontal bars of a Gantt chart have a fixed height, they can misrepresent the time-phased workload (resource requirements) of a project, which may cause confusion especially in large projects.

- *A related criticism is that all activities of a Gantt chart show planned workload as constant. In practice, many activities (especially summary elements) have front-loaded or back-loaded work plans, so a Gantt chart with percent-complete shading may actually miscommunicate the true schedule performance status.*