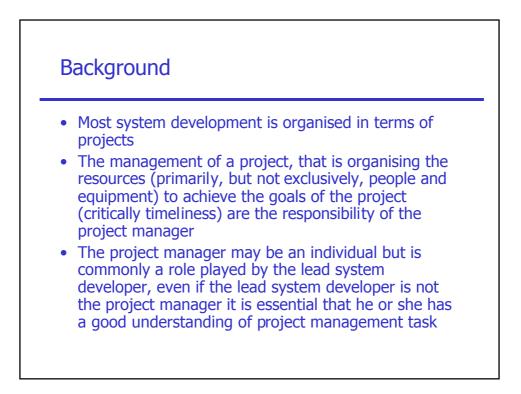
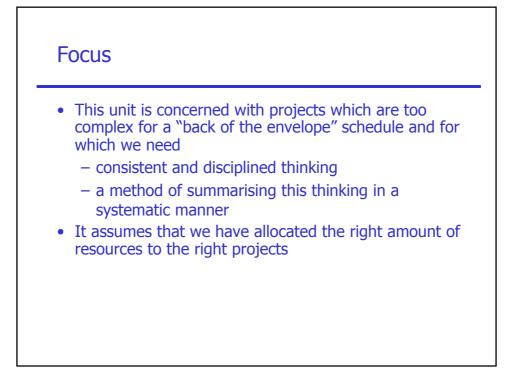
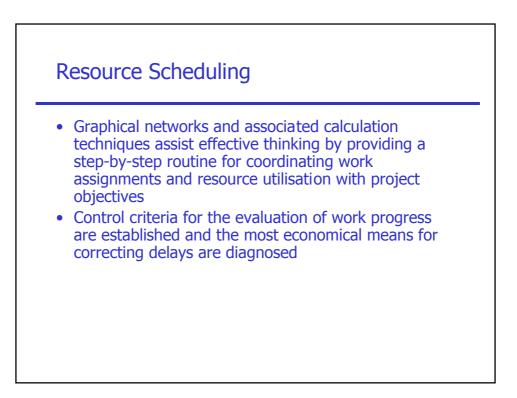
Unit 1: Project Planning and Scheduling

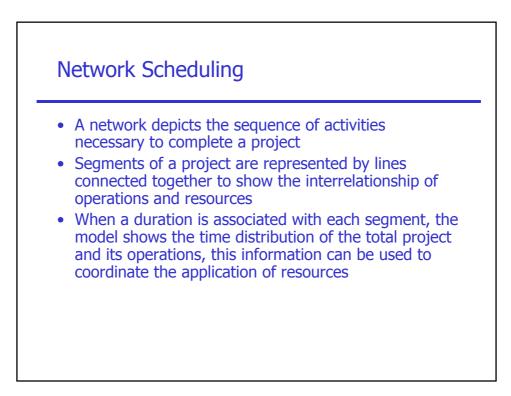
Objective

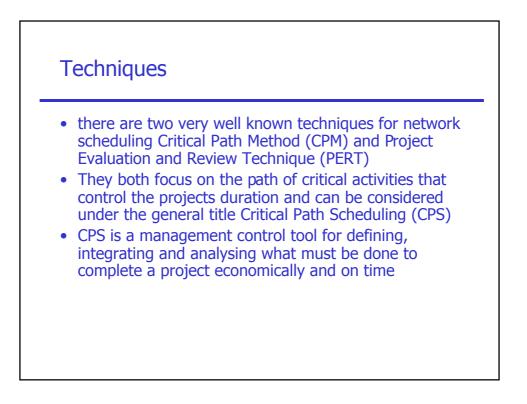
 To provide a brief introduction to project planning and scheduling. The critical area where project management meets system development.

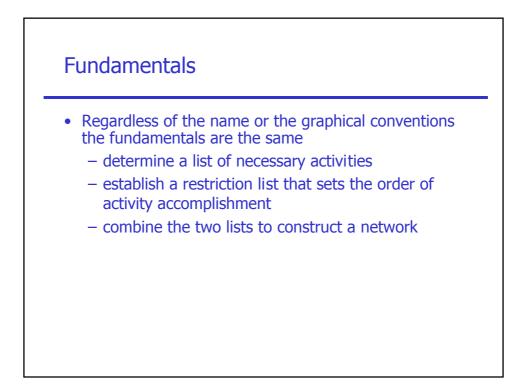


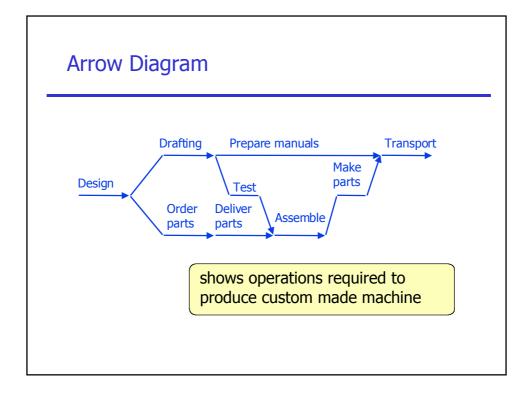


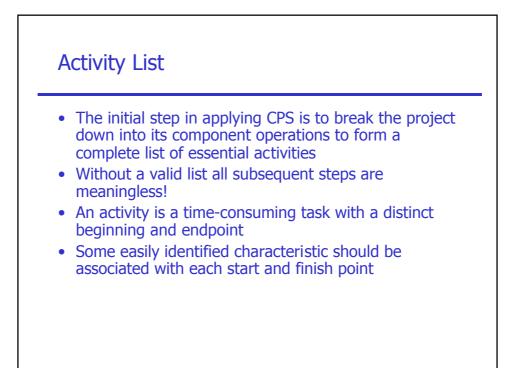


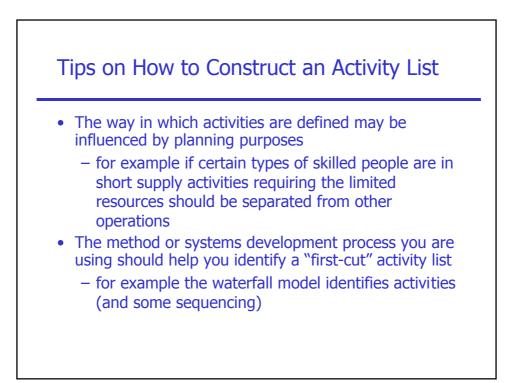






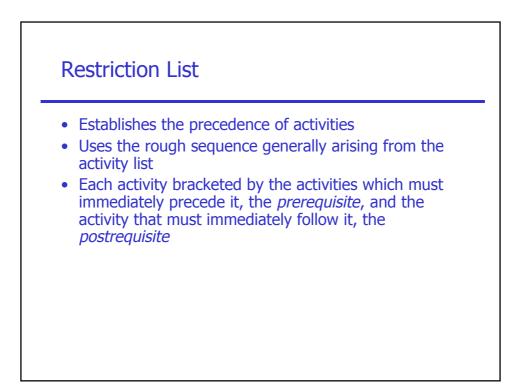




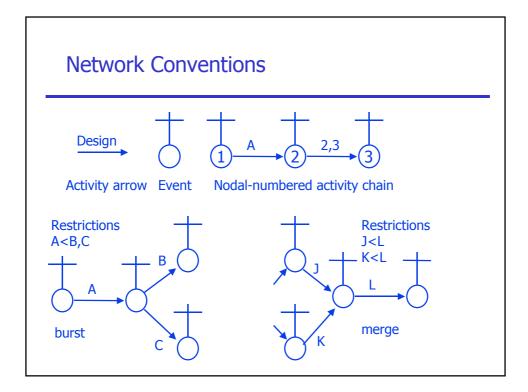


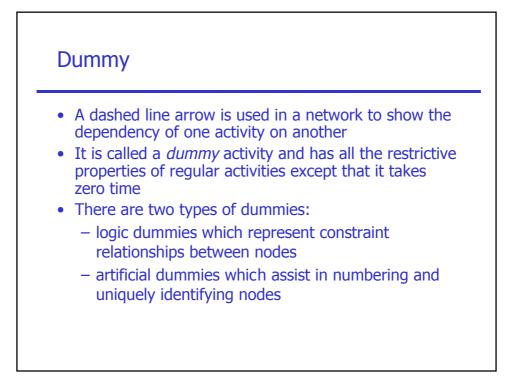


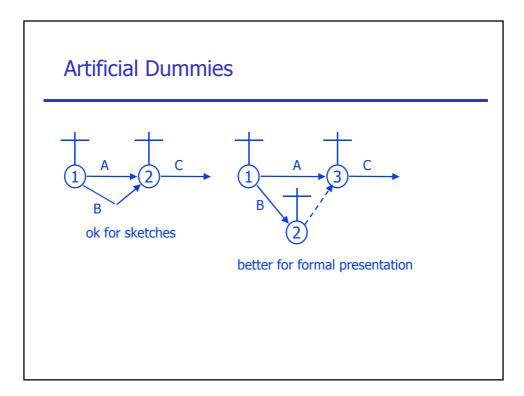
• A network is a composite picture of an entire undertaking, the activity list needs to be reviewed by suppliers, cooperating departments, subcontractors and anybody whose work impinges on the project

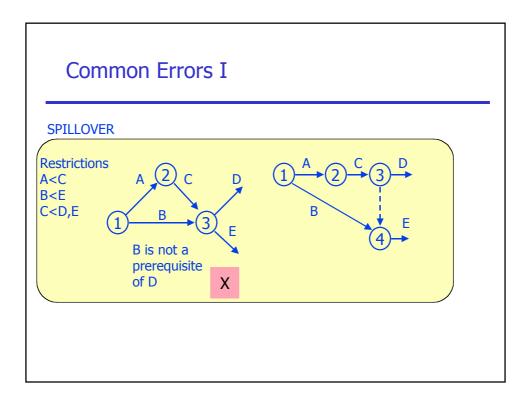


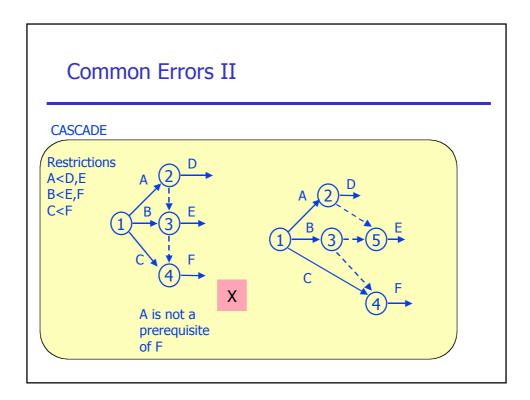
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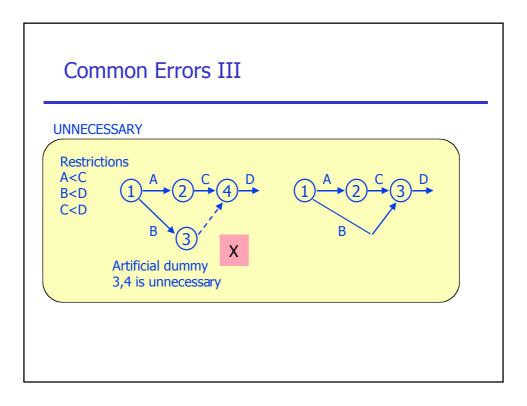


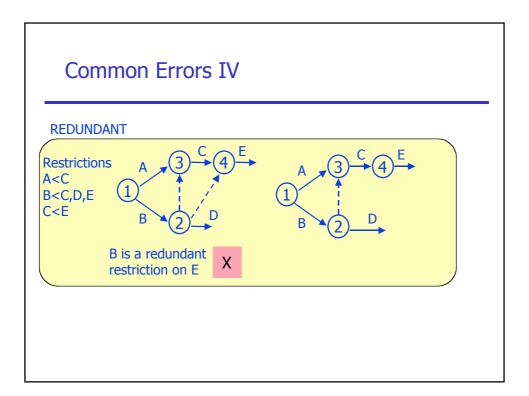


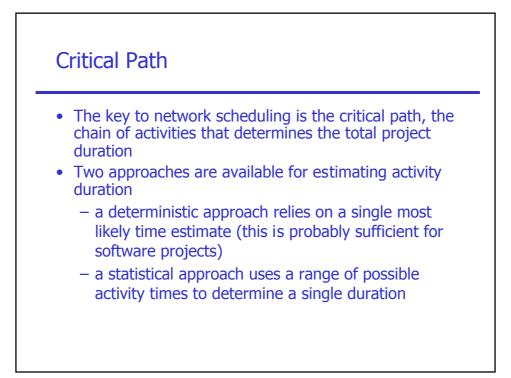


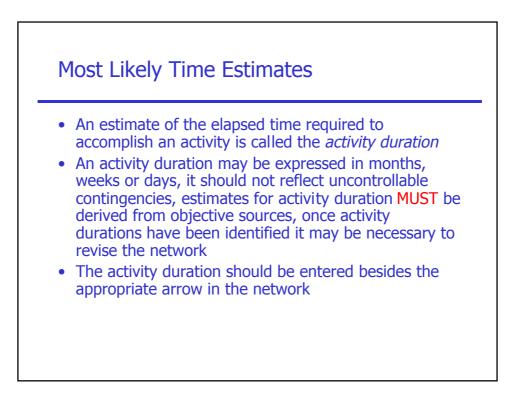


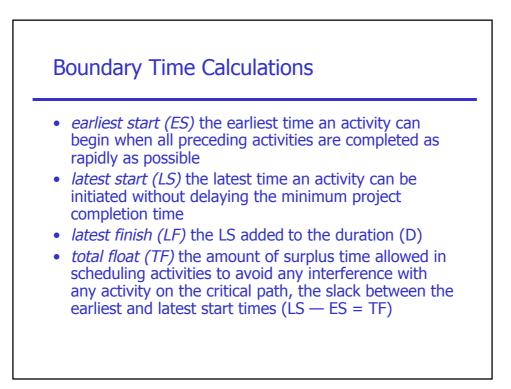


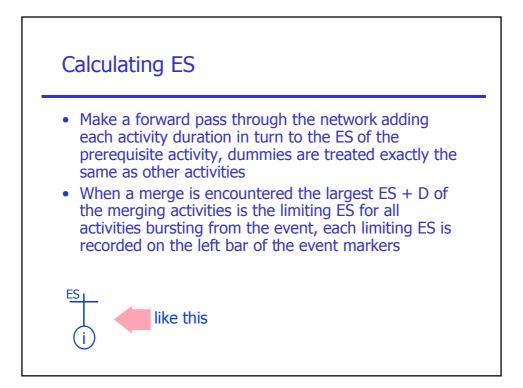


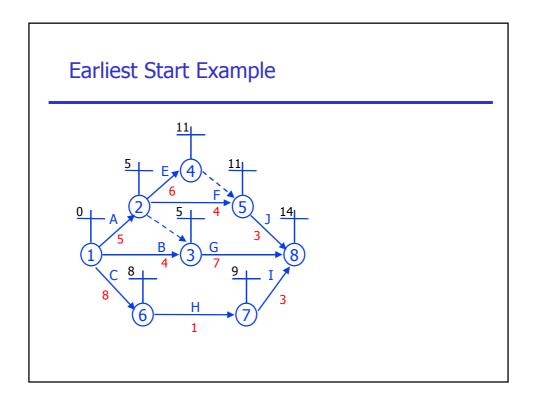


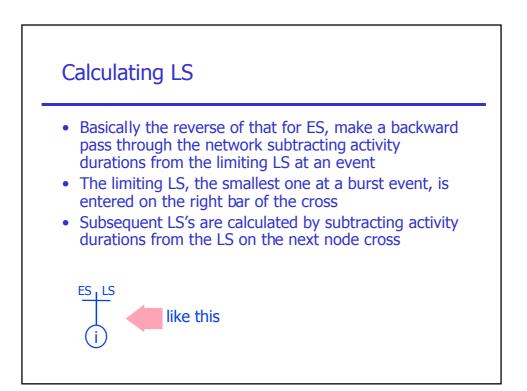






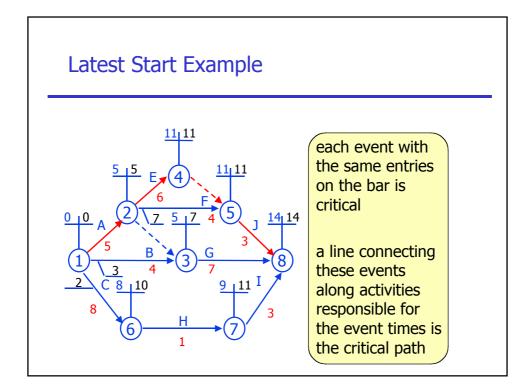


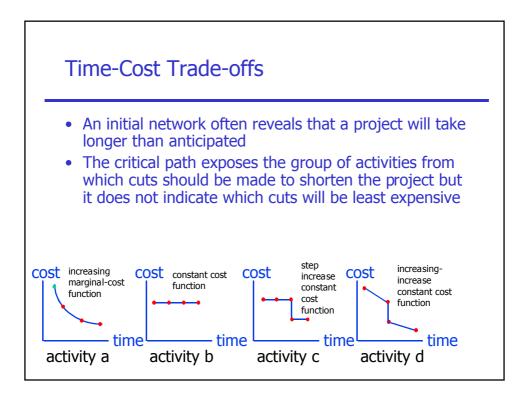


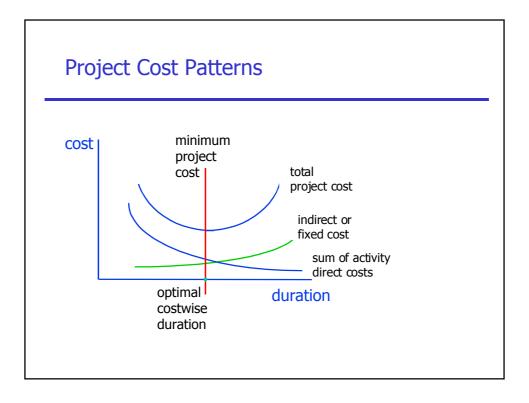




- The main difference between LS and ES calculations is that each activity from a common event can have a different LS while all activities starting from the same event have the same ES, to deal with this a *shelf* is added to each activity in a burst that has a larger LF value than the limiting one
- The initial step in LS calculations is to make the right bar of the last cross in the network agree with the left bar, successive subtractions of activity durations from each limiting event should eventually lead to a zero LS for the first network node









- Project planning and scheduling are essential skills for the software engineer. It is only part of project management which is a complex subject deserving study
- Resource scheduling is a core issue. Critical path scheduling is a simple technique to achieve this, there are many software tools to support it.
- A schedule is only any use if it is realistic and maintained up to date as the project proceeds.