Software Project Management (MCAE61)

Chapter 6 Activity Planning

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Presentation Outline

- Adding the Time Dimension
- Th e Forward Pass

Adding the Time Dimension

- start thinking about when each activity should be undertaken.
- The critical path approach is concerned with two primary objectives:
  - Planning the project.
  - Identifying those activities where a delay in their execution.
- Forward Pass and Backword Pass

The Forward Pass

- The forward pass is carried out to calculate the earliest dates on which each activity may be started and completed.
- The forward pass and the calculation of earliest start dates are carried out according to the following reasoning.
  - Activities A, B and F may start immediately, so the earliest date for their start is zero.
  - Activity A will take 6 weeks, so the earliest it can finish is week 6 etc…

An example project specification with estimated activity durations and precedence requirements

	Activity	Duration (weeks)	Precedents
A	Hardware selection	6	
B	System configuration	4	
C	Instal hardware	3	A
D	Data migration	4	B
E	Draft office procedures	3	B
F	Recruit staff	10	
G	User training	3	E, F
H	Instal and test system	2	C, D

The precedence network for the example project