ISYS90050 IT Project and Change Management

Tutorial 5

Activity 1 Task 1: Identify travel origin

- Pick a Melbourne location
- Describe how you might travel to University of Melbourne from this location?

Activity 1 Task 2: Travel from source to destination

■ How might you travel?

Activity 1 Task 3: Individual estimate of travel time

Estimated time and assumptions

Activity 1 Task 4: Scenarios

- Scenario 1 You are travelling to the University to attend a tutorial (or) a lecture.
- Scenario 2 You are travelling to the University to attend one of your final exams in the semester.

Activity 1 Task 5: Compare and discuss

- Any difference? Why?
- What additional situations considered?
- ► Factors not in your control?

Activity 1 Task 6: Test of estimate

- How to test? How valid is your test?
- Can the estimate be improved?

Activity 2 Task 1: Expected Duration of Tasks

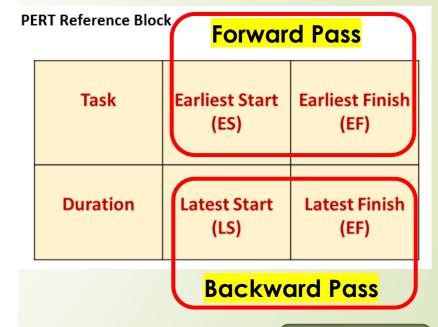
Task ID	Optimisitic Time (a)	Pessimisitic Time (b)	Most likely Time (m)
А	3	6	4
В	1	3	2
С	4	7	6
D	2	5	3
E	3	9	6
F	3	8	4

Expected time = (a + 4m + b) / 6

Activity 2 Task 2: PERT

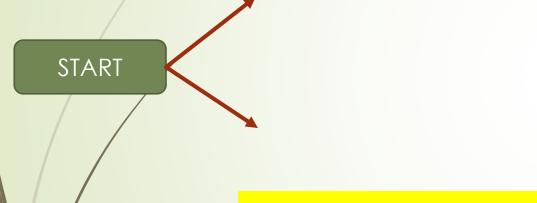
Task ID	Description	Duration	Dependent on:
Α	Prototype user interface	10 days	-
В	Design file structures	2 days	A
С	Define interfaces	3 days	В
D	Define/test compression algorithm	5 days	В
Е	Define coding standards	5 days	-
F	Devise test plan	5 days	В
G	Prepare test cases and data	5 days	F
Н	Review phase deliverables	2 days	C, E, G, D

START





Activity 2 Task 2: PERT



END

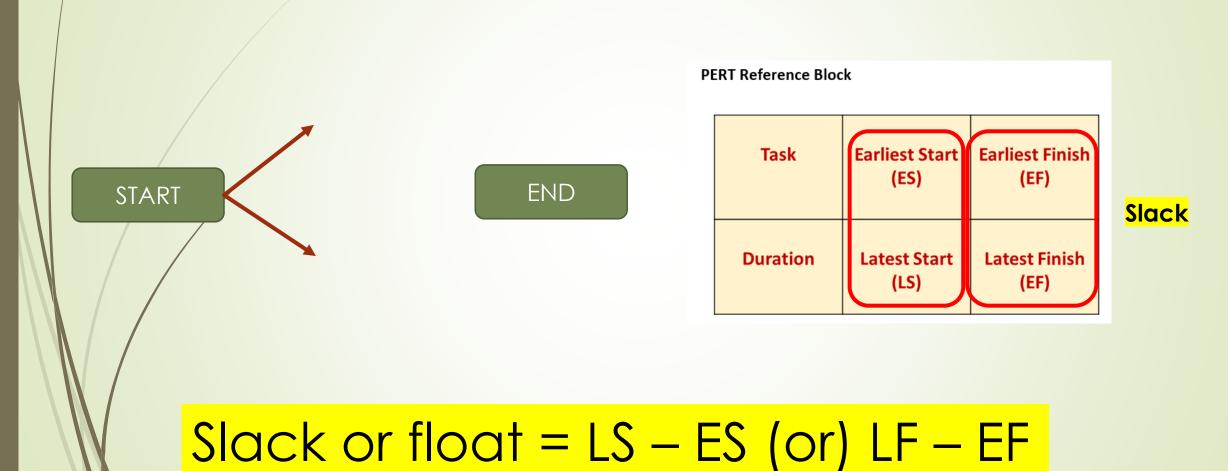
EF	=	ES	+ time
LS	=	LF	- time

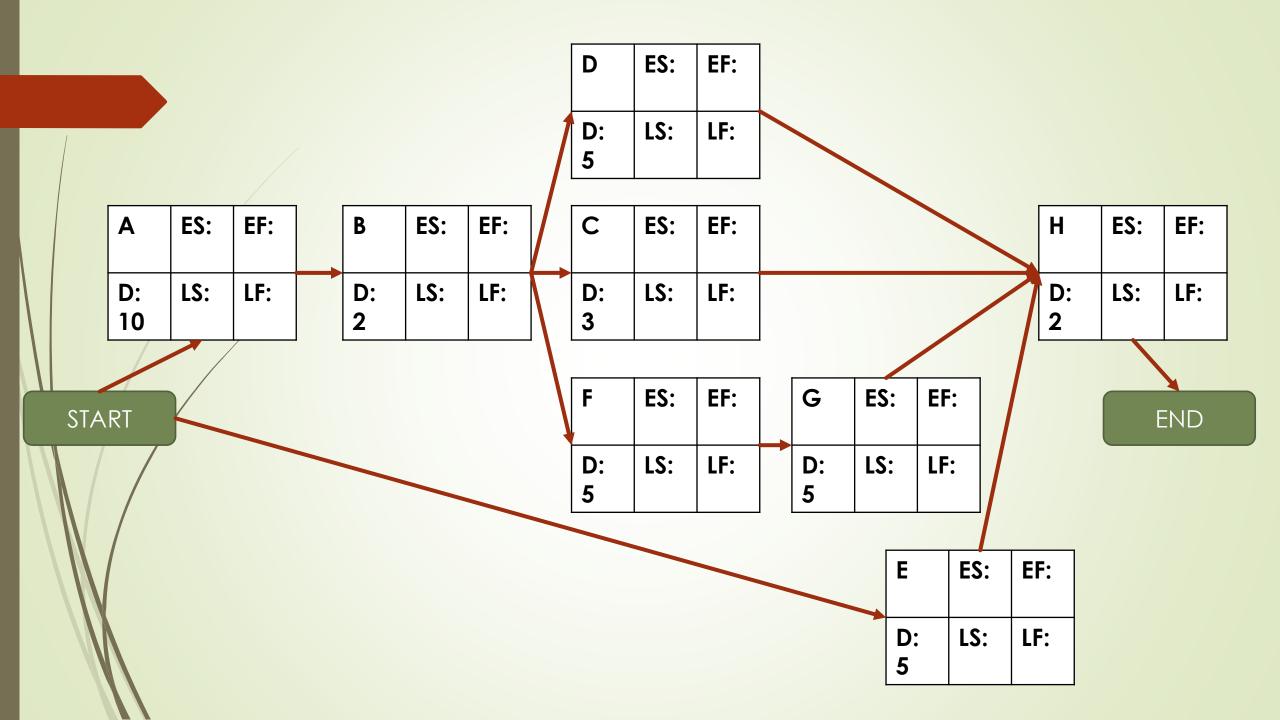
PE	RT Reference Bloc	Forward Pass		
	Task	Earliest Start (ES)	Earliest Finish (EF)	
	Duration	Latest Start (LS)	Latest Finish (EF)	

How to find the critical path?

The activities that have a path from start to finish with slack =0 gives you the critical path.

Activity 2 Task 2: Slack





Activity 2 Task 3: Critical Path Change due to Task Delay

- How will the critical path of the project get affected if Task C gets delayed by 3 days?
- ■Slack of Task C?

Activity 2 Task 4: Critical Path Change due to Task Delay

- How will the critical path of the project get affected if Task C gets delayed by 8 days?
- ■Slack of Task C?

Tutorial Quiz!

You have 5 mins to complete the quiz