

## Extra Example 1

Consider the following precedence table for DRK Design Project

ACTIVITY	DESCRIPTION	PRECEDING ACTIVITIES	DURATION (Days)
A	Fabricate Body Frame	-	10
B	Fabricate Body Outer panels	-	6
C	Install Body Outer Panels	B, K	1
D	Install Engine/Transmission	A	4
E	Fabricate Suspension	-	6
F	Install Front Suspension	A, E	4
G	Install Rear Suspension	A, E	2
H	Install Steering	F	4
J	Install Brakes	G, H	4
K	Test and Adjust	D, J	5

1. Using the data given above, draw the PERT chart.
2. Write down all the independent paths within the project.
3. What is the duration of the project?
4. What is the slack time for Activity G?

## Extra Example 2

Consider the following precedence table for gathering information phase:

ACTIVITY	DESCRIPTION	PRECEDING ACTIVITIES	DURATION (Days)
A	Gather Reports	-	4
B	Gather Records and Data Capture Forms	-	5
C	Gather Qualitative Documents	-	1
D	Analyse Reports	A	6
E	Understand Corporate Culture	C	2
F	Analyse Records and Forms	B	4
G	Interview Users	D,E,F	15
H	Administer Questionnaires	D,E,F	14
I	Summarise Interviews	G	4
J	Summarise Survey Results	H	3
k	Prototype System	I,J	15

1. Using the data given above, draw the PERT chart.
2. Calculate and determine the critical path.