Tutorial 11: Software Project Planning

Q1. Based on the following information, construct a Gantt chart.

ID	Activities	Expected duration (Weeks)	Preceding activities
1	Requirements Analysis	8	–
2	System Modelling and Design	6	1
3	Implementation	10	2
4	Design Hardware Subsystems	8	1
5	Construct Hardware Subsystems	6	4
6	Prepare Test plans	2	1
7	Test Software Components	8	3,6
8	Test Hardware System	4	5,6
9	System Integration	4	7,8
10	System Testing	4	9
11	System Installation	2	10

(a) Determine the project duration

(b) Determine the critical path of the project

(c) What will be the project duration if Task 4 is delayed by 8 weeks?

(d) What will be the project duration if Task 6 is delayed by 10 weeks?

Q2. Explain why the process of project planning is iterative and why a project plan must be continually reviewed during a software project.