



Subject:	Construction Project Management
Course:	CPM Special Purpose Award
Session:	Spring 2021
Lecturer:	Paul Vesey BEng, MIE, HDip
Filename:	CPM001-LIT-00-ZZ-SP-K-001-A1-P01

Assignment 1 (30%)- Resourced Project Programme

In this assignment you are going on create a fully resourced Gantt chart using Microsoft Project. Full details of the tasks, relationships and resources have been provided to you below. It is left to the learner to allocate resources appropriately.

Tasks

Task Name	Description	Predecessor	Duration
1	Excavate, Pour Foundations	-	4
2	Pour Concrete Foundations	1	2
3	Erect Frame and Roof	2	4
4	Lay Brickwork	3	6
5	Install Drainage	2	1
6	Pour Basement Floor	5	2
7	Install First Fix Plumbing	5	3
8	Install First Fix Electrics	3	2
9	Install Partitions	3,6	4
10	Fasten Drywall, Tape & Plaster	7,8,9	10
11	Lay Finished Flooring	10	3
12	Install Kitchen Equipment	11	1
13	Install Second Fix Plumbing	11	2
14	Finish Carpentry	11	3
15	Finish Roofing and Flashing	4	2
16	Fasten Gutters & Downspouts	15	1
17	Lay Storm Drains	2	1
18	Sand and Varnish Floors	14,19	2
19	Paint	12,13	3
20	Install Second Fix Electrical Work	19	1
21	Finish Grading	16,17	2
22	Pour Walls and Landscape	21	5

Resources

Name	Type	Std Rate	OT Rate
Site Manager	Work	€100.00/hr	€150.00/hr
Plumber	Work	€50.00/hr	€75.00/hr
Electrician	Work	€50.00/hr	€75.00/hr
Block layer	Work	€50.00/hr	€75.00/hr
Carpenter	Work	€50.00/hr	€75.00/hr
Painter/Tiler	Work	€50.00/hr	€75.00/hr
GO1	Work	€40.00/hr	€60.00/hr
GO2	Work	€40.00/hr	€60.00/hr
GO3	Work	€40.00/hr	€60.00/hr

Suggested Approach

- Begin by entering the tasks and associated durations
- Enter in the predecessors as indicated to create the full Gantt chart
- Enter the resources into the resources sheet
- Apply the resources to tasks on the Gantt chart view.

Submission

Your completed assignment, in the form of your Microsoft Project file, is to be submitted onto MS Teams on or before the date or time indicated there.