

CS450 Introduction to Software Project Management
Spring 2020
Assignment 1

Due: 25th April 2020, submit MS Project file on SLATE

1. Refer to the activity estimates and precedents below and make a project schedule in MS Project 2013 as per the ideal activity network.
2. Start the week on Mondays.
3. Create a local copy of the standard calendar, marking the local public holidays for this year and use it in your project.
4. Make the first task as the overall project and include all other activities as subtasks.
5. Use 1st May, 2020 as the project start date.
6. Add project management as an umbrella activity.
7. Create summary tasks for specification, design, and coding.
8. Assign people to the tasks – project manager, four developers, and two testers.
9. Assign cost of Rs. 5000 per hour for project manager and Rs. 3000 for each developer and tester.
10. Add a column to calculate the cost of each activity as well as the project in PKR.

Activity ID	Activity Description	Estimated Duration (Days)	Precedents	People
1	Specify overall system	20		Dev1
2	Specify module A	15	1	Dev1
3	Specify module B	10	1	Dev2
4	Specify module C	20	1	Dev3
5	Specify module D	5	1	Dev4
6	Check specification	3	2,3,4,5	Dev1,Dev2,Dev3,Dev4
7	Design module A	10	6	Dev1
8	Design module B	5	6	Dev2
9	Design module C	15	6	Dev3
10	Design module D	5	6	Dev4
11	Code/test module A	20	7	Dev1
12	Code/test module B	15	8	Dev2
13	Code/test module C	25	9	Dev3
14	Code/test module D	10	10	Dev4
15	System integration	5	11,12,13,14	Dev1,Dev2,Dev3,Dev4
16	Test planning	20	17SF	Test1,Test2
17	System testing	20	15	Test1,Test2
18	Bug fixing	20	17FF	Dev1,Dev2,Dev3,Dev4
19	Shipment	1	18	Dev1