SE 481 Software Project Planning and Management

Assignment 1

Due on Wednesday, September 22, 11:59PM.

1. Read the paper "The Mythical Man-Month" and answer the following questions. Your answers must be specific. (40 points)

   1) According to the paper, what is the main reason that many software projects failed?
   2) According to the paper, why are men and months not interchangeable?
   3) Do you think men and months are interchangeable? Why or why not? Feel free to use your own experience to answer this question.
   4) According to the paper, which development activity should be given enough time during project scheduling? Why?
   5) Which development activity do you think should be the focus of project scheduling? Why?
   6) Use your own words to explain Brooks's Law.

2. Make a table to compare KLOC and FP in terms of their advantages and disadvantages as a measurement of a software system's size. (10 Points)

3. The following table sets out a number of tasks, their durations, their dependencies, and milestones. Use Microsoft Project to draw a Gantt Chart showing the project schedule. Your schedule must include **WBS** code and a **Project Summary Task**. (30 Points)

Summary	Task	Duration (days)	Dependencies	Milestones
S0	T0	Recurring on Wednesdays for 1 hour.		
S1	T1	10		M1
	T2	15	T1	
	T3	10	T1, T2	
	T4	20		M2
	T5	5	T1	
	T6	10		
	T7	15	T3, T4	M3
S2	T8	20	T3	

	T9	35	T8	
	T10	15	T7	
	T11	5	T6, T10	
	T12	10	T10	M4
S3	T13	20	T11	
	T14	35	T3, T4	
	T15	10	T9, T10	M5

4. Lab Work (20 Points).