CS132: Software Engineering HW1: Software Project Management Practice

Description

You are a project manager of a local company in charge of a software project. The project contains 11 tasks (from A to K). The details of these activities are listed in the following table.

Activity	Initial Node	Final Node	Estimated Duration
A	1	2	2
B	2	3	2
C	2	4	3
D	2	5	4
E	3	6	2
F	4	6	3
G	5	7	6
H	6	8	2
I	6	7	5
J	7	8	1
K	8	9	2

Please try to answer all the questions in English. Hand-drawn diagrams will receive penalties depending on their clarity. Note that there are 20 pt for this homework, but on blackboard the score will be divided by 4.

(1) Draw the AOE network diagram for critical path analysis; (10 pt)

(2) What is/are the critical path(s)? (5 pt)

(3) Assume the project starts from day 0, what is the earliest date to finish the project and why? (5 pt)

Submission

The deadline of this homework is Oct 11th at 23:59. Please submit a .pdf file with name "CS132_HW1_YourName.pdf" electronically on BlackBoard. ***Please be noted that we do not accept late submission.***