



United International University (UIU)

Dept. of Computer Science & Engineering (CSE)

Final Term Exam:: Trimester: Summer 2022

Course Code: CSE 469, Course Title: PROJECT MANAGEMENT

Total Marks: 40

Duration: 2 hours

Any examinee found adopting unfair means will be expelled from the trimester / program as per UIU disciplinary rules.

Answer all the questions.

The Scenario

We want to build a job recruitment site. In this portal, applicants can apply for job. Usually employers post new job openings in this portal. Applicants can view those open positions and apply for a job by filling an online form. The online form takes some personal information of the applicant. The job providers / employers also fill a form mentioning the characteristics of the open positions as well as the criteria of the applicants. Please answer the following questions based on this scenario.

1. Find the DET and RET for the calculation of ILF (Internal Logical Files) [CO3] 5
2. Write the Use Case for “Apply for an open position” in proper format. [CO2] 5
3. Mention 2 nonfunctional requirements in proper format for the above system with specification. [CO2] 5
4. Develop a Gantt chart for the above project and mention the rationale/causes of different assumptions or estimations. [CO5] 5
5. Which COCOMO type project would be most suitable for the above-mentioned project – justify your consideration? [CO3] 5
6. In one sentence, say, why we need SPI? Explain CMMI in terms of software project improvisation process. [CO4] 5
7. For 4000 lines of code of organic type, find the all the COCOMO parameters [CO5] 5

Software project	a_b	b_b	c_b	d_b
Organic	2.4	1.05	2.5	0.38
Semi-detached	3.0	1.12	2.5	0.35
Embedded	3.6	1.20	2.5	0.32

8. Say you are the project manager of a software project. You have 5 developers. Now there are a lot of opportunities for software engineers globally. So, there is a chance that in the middle of the project some of your developers might leave the company for going out of country. Considering this, please identify the following items in this scenario. [CO2] 5

Risk Factor
Risk Event
Risk Management
Risk Monitoring
Risk Effect