

Reg. No.

Question Paper Code

11899

B.E. / B.Tech. - DEGREE EXAMINATIONS, APRIL/MAY 2023

Sixth Semester

Computer Science and Engineering

20CSEL601 – SOFTWARE PROJECT MANAGEMENT

(Regulations 2020)

Duration: 3 Hours

Max. Marks: 100

PART - A (10 × 2 = 20 Marks)

Answer ALL Questions

- | | <i>Marks,
K-Level, CO</i> |
|---|-------------------------------|
| 1. What is the function of spiral model? | 2, K1, CO2 |
| 2. What is motivation? | 2, K1, CO2 |
| 3. Mention the need of cost benefit analysis. | 2, K1, CO3 |
| 4. Define Norden's and Putnam's work in staffing pattern. | 2, K1, CO3 |
| 5. Define Feasibility Management. | 2, K1, CO4 |
| 6. List few categories of risk and give example for each. | 2, K1, CO4 |
| 7. How to visualize progress? | 2, K2, CO5 |
| 8. Define Software Project Management. | 2, K1, CO5 |
| 9. Mention the role of ethics in project management. | 2, K1, CO6 |
| 10. List the objectives of activity planning. | 2, K1, CO6 |

PART - B (5 × 13 = 65 Marks)

Answer ALL Questions

11. a) Explain the spiral software development life cycle model with diagrammatic illustration along with its advantages and disadvantages. 13, K2, CO2
- OR**
- b) Discuss the framework for project management and control. 13, K2, CO2
12. a) Demonstrate the following 6, K2, CO3
- (i) Function Point Mark II method 7, K2, CO3
- (ii) COSMIC full function point method
- OR**
- b) Briefly explain about Cost-benefit evaluation technology. 13, K2, CO3

K1 – Remember; K2 – Understand; K3 – Apply; K4 – Analyze; K5 – Evaluate; K6 – Create

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13. a) Discuss in detail about the different Network planning model. Give example for precedence construction 13,K2,CO4

OR

b) Discuss the risk identification process and the mitigation steps involved in the project management. 13,K2,CO4

14. a) Who is responsible for Project Tracking? Brief the different ways to track a project. 13,K2,CO5

OR

b) What is a team? Discuss the types of team structures in detail. 13,K2,CO5

15. a) Explain the Oldham-Hackman job characteristic model. 13,K2,CO6

OR

b) Write short note on Ethical and Professional concerns. 13,K2,CO6

PART - C (1 × 15 = 15 Marks)

16. a) Explain Product Break-down structure and Product Flow Diagram for online ticket reservation. 15,K2,CO1

OR

b) What are the functions in traffic light controller method? With the help of software project management, how will you solve the problem? Discuss in detail. 15,K2,CO1