

IT 8075 - Software Project Management

Unit-1

1. Draw the project control cycle
2. Analyse the various cost benefit evaluation technique.
3. Outline the steps involved in stepwise project planning.
4. Outline the management Objectives and priorities.
5. What is risk? discuss about risk management process
6. List out various paradigms, principles to manage the risks in the project
7. Narrate the phases for software project management
8. Briefly explain about cost benefit evaluation technology
9. What is project planning? Explain with diagram stepwise project planning activities.

Unit-2

1. Explain the steps in the COCOMO II effort estimation technique.
2. Explain spiral model with neat diagram. What are the strength and deficiencies of spiral model? When to use spiral model?
3. Discuss Extended Function point with example
4. What are the components of Staffing? Explain the methods of staffing level estimation.
5. Explain the steps involved for Extreme Programming? List its advantages and Disadvantages.
6. Explain the function of incremental delivery process model with a neat sketch
7. Explain the five major components of Function point analysis
8. Outline the strategies for software effort estimation techniques.

Unit-3

1. Summarize the strategies involved in creating a project schedule
2. Describe the approaches used for identifying activities in a project
3. What are the seven categories of resources? Explain in detail.
4. Outline the strategies of planning for risk reduction and controlling problems
5. What is critical path method? Discuss CPM with activity bar chart
6. In what way project evaluation and review technique can be represented through activity network? Explain in detail

7.Narrate the various network models and calculations used in the model and differentiate between them.

8.Explain with an example the use of network techniques PERT and CPM in software project management.

Unit-4

- 1.Analyze the methods used for tracking project progress.
- 2.Derive the steps involved in change control procedure
- 3.Outline the advantage of fixed price contracts.
- 4.Who is responsible for project tracking? Brief the different ways to track a project.
- 5.Discuss in detail the types of contracts with its checklist
- 6.Explain with examples software configuration management.
- 7.discuss the framework for project management and control
- 8.Explain in detail about Earned value analysis with an example.

Unit-5

- 1.Explain the stages of recruitment process
- 2.Describe the methods of improving motivation
- 3.state and explain the categories of group tasks
- 4.Mention the measures to reduce drawbacks of group decision making
- 5.Explain Hackman and Oldham job characteristics model
6. How to deal with ethical and professional concerns in project management?
- 7.Describe the best methods of staff selection and its merits and demerits.
- 8.Explain different types of team structures used in project management.