

SRINIX COLLEGE OF ENGINEERING, BALASORE



**DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING**

**ASSIGNMENT ON
SOFTWARE PROJECT MANAGEMENT**

SOFTWARE PROJECT MANAGEMENT

ASSIGNMENT –I

1	What is the importance of software project management and explain different activities methodologies, setting objectives covered by software project management?
2	Design the Software Development Life Cycle in project management?
3	Explain the following: a) Categorization of software projects b) Setting objectives in software projects
4	Define management. Explain project management principles along with management control life cycle?
5	Illustrate Project Portfolio Management in brief with suitable examples.
6	Identify the different types of cost benefit evaluation techniques with suitable examples?
7	Outline the Evaluation of the Risk Process in detail.
8	Explain strategic program management with simple example.
9	Construct Stepwise project planning with a neat diagram.
10	Analyze the following terms: a) Activities & methodologies b) Management control

ASSIGNMENT –II

1	List out the different Software process models? Explain with a neat diagram the various stages involved in the waterfall model?
2	Demonstrate the following process models a. The Spiral Model b. Rapid Application Development
3	Explain various approaches involved in Agile Methods of process model.
4	Distinguish between incremental delivery Plan model and iterative process model.
5	Illustrate software prototyping and explain it in detail with suitable examples.
6	Discuss with a neat diagram macro and micro processes that you observed in managing iterative processes in SRUM.
7	Describe various software effort and cost estimation techniques including examples.
8	Compare bottom-up and top-down approaches in software effort estimation?
9	Outline the COSMIC full function point can be explore based on effort estimation techniques.
10	Distinguish between Norden's work and Putnam's work results in staffing pattern.

ASSIGNMENT –III

1	List out the objectives of activity planning. Draw with a neat sketch of Sequencing and scheduling.
2	Compare different activity based approaches involved in Activity Planning.
3	Define critical path method. Evaluate the critical path based on forward pass and backward pass techniques.
4	Explain in brief a framework for dealing with risk.
5	Summarize the following: a. Risk Identification b. Risk Assessment
6	Design Two Network Planning models in Activity Planning with examples.
7	Explain about the PERT technique and list out the advantages & disadvantages observed in PERT Technique .
8	List out seven categories of the nature of resources. How can you identify resource requirements in producing a project.
9	Identify various activities involved in creating critical paths or critical patterns.
10	Explain the impact of Cost scheduling project monitoring in detail.

ASSIGNMENT –IV

1	Develop the Creation of Framework for Project Management and Control.
2	Demonstrate the Collection of Data Project Termination with suitable examples.
3	Distinguish between the following terms i) Review ii) Project Termination Review
4	Illustrate the visualizing progress in Project Management and Control.
5	Explain the Impact of Cost Monitoring in Project Management and Control.
6	Outline the Earned Value Analysis in project management control.
7	How Project Monitoring plays an important role in Project management.
8	Summarize the following : i) Project Tracking ii) Change Control
9	Explain about Software Configuration Management Control in detail.
10	Determine the various types of Contracts in contract management explain in detail.

ASSIGNMENT –V

1	How to Manage the People in Software projects explain in detail?
2	Explain the organizational Behavior of staffing in software projects.
3	List out the methods of Staff Selection among those methods which are best methods explain it.
4	Illustrate the Old Hackman Job Characteristic Model in software projects.
5	Discuss in brief the Ethical and Programmed concerns in Software Projects.
6	Analyze the following i) Stress, Health and safety ii) Motivations
7	Evaluate the role of decision making in software projects explain in detail?
8	Summarize the following: i) Team Structure ii) Virtual Teams
9	Demonstrate the Communication Genres with simple examples.
10	Outline the Communication Plan. Write down the results of communication plan in software projects.