

MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Accredited by NAAC A+ and affiliated to OSMANIA university)

INFORMATION TECHNOLOGY DEPARTMENT

SOFTWARE PROJECT MANAGEMENT (PE741IT)

UNIT I

Short Answer Question

1. Define conventional software management
2. List out improvements of waterfall model
3. Discuss Late risk resolution
4. Explain five basic parameters Software Economics and their relation

Long Answer Questions

1. Briefly explain Conventional Software Management Performance (OR) Barry Boehm's "Industrial Software Metrics"
2. Explain three generations of software development
3. Explain popular cost estimation models (such as COCOMO, CHECKPOINT, ESTIMACS)

UNIT II

Short Answer Question

1. How to improve affordability and return on investment (ROI)

OR

Explain component-based development

2. Differentiate Object-Oriented Methods And Visual Modeling.
3. Discuss Booch's five characteristics of a successful object-oriented project.
4. Write about Round-trip engineering
5. Explain peer inspection. Explain reuseable components
6. Write about meta micro and macro process

Long Answer Questions

1. Discuss Five basic parameters of the software cost model.
2. Improving Team Effectiveness OR Boehm five staffing principles
3. Explain the principles of modern software management
4. Differentiate conventional process and modern iterative process to improve quality of S/w.

OR

Discuss old ways and new ways of conventional s/w engineering

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UNIT III

Short Answer Question

1. Discuss Engineering and production stages
2. Define Artifacts or management sets
3. Discuss model based software architecture

Long Answer Questions

1. Write about inception elaboration construction and transition phases in detail
2. Implementation verses deployment phases
3. Engineering stage and production stages
4. Write a short note on (a) Management Artifacts (b) Engineering Artifacts (c) Pragmatic Artifacts
5. Explain different phases of the life cycle process?

UNIT IV

Short Answer Question

1. Discuss Software process workflows and Iteration workflows
2. Write about : Major mile stones, Minor Milestones and Periodic status assessments
3. Explain Automation Building blocks, The Project Environment.

Long Answer Questions

1. Write short notes on i)Line-of-Business Organizations, ii)Project Organizations, and iii)evolution of Organizations
2. Write in detail about i) planning guidelines ii) cost and schedule estimating iii) Iteration planning process iv) Pragmatic planning.

UNIT V

Short Answer Question

1. Define Management indicators, quality indicators, life cycle expectations
2. What is CCPDS-R
3. Discuss pragmatic Software Metrics and Metrics automation

Long Answer Questions

1. Write about project control seven core Metrics
2. Write in detail about i) Modern Project Profiles ii) Next generation Software economics,
3. Explain Process discriminate.