

**III B. Tech I Semester Supplementary Examinations, July – 2023**  
**SOFTWARE PROJECT MANAGEMENT**  
 (Computer Science and Engineering)

Time: 3 hours

Max. Marks: 70

Answer any **FIVE** Questions **ONE** Question from **Each unit**  
 All Questions Carry Equal Marks

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**UNIT-I**

1. a) Compare three generations of software development. [7M]  
 b) What are the factors that can be abstracted with software economics? Explain in detail. [7M]

(OR)

2. a) What is the customization of components? Compare them with commercial components. [7M]  
 b) Explain the principles of modern software management. [7M]

**UNIT-II**

3. a) Management set artifacts associated with process planning & execution"- justify the statement. [7M]  
 b) Explain indetail about Engineering Artifacts. [7M]

(OR)

4. a) Explain the transition phase of the life cycle process [7M]  
 b) Explain in detail about Pragmatic Artifacts. [7M]

**UNIT-III**

5. a) Explain the technical perspective of software architecture. [7M]  
 b) Describe four Major milestones that accrue at the transition points between life cycle phases [7M]

(OR)

6. a) Classify the joint management reviews. Explain minor milestones in detail. [7M]  
 b) Explain the concept of interaction workflow in detail [7M]

**UNIT-IV**

7. a) What are the key points that the software architecture team should focus on? Explain their roles, artifacts, and responsibilities. [7M]  
 b) Write a short note on pragmatic software metrics [7M]

(OR)

8. a) What are various project environments? Explain [7M]  
 b) Why the tools are considered as the core components in process automation? Explain [7M]

**UNIT-V**

9. a) With a neat sketch explain the Architecture of DevOps [7M]  
 b) Write a short note on DevOps Eco System. [7M]

(OR)

10. a) Describe the patterns used for adopting Scrum? Explain. [7M]  
 b) What are the process aspects of DevOps? Explain [7M]

