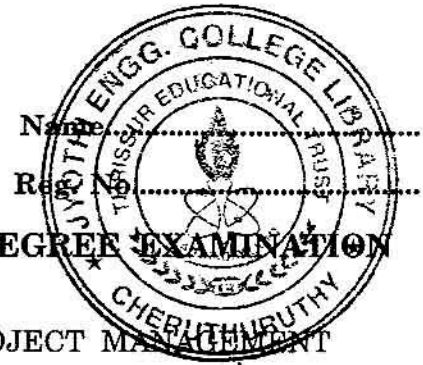


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**FIFTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION
NOVEMBER 2013**

IT/CS 09 501—SOFTWARE ARCHITECTURE AND PROJECT MANAGEMENT

Time : Three Hours

Maximum : 70 Marks

Part A

Answer all questions.

1. Define software architecture.
2. List the styles of module view type.
3. What do you mean by design pattern.
4. Write the disadvantage of domain model.
5. Define EAI.

(5 × 2 = 10 marks)

Part B

Answer any four questions.

1. Explain the conceptual architectural view.
2. Suggest how design pattern solve design problems.
3. List the patterns for managing resource and explain one in detail.
4. Explain how Java Session bean is used as remote facade.
5. Describe how software interfaces can be documented.
6. Write the applicability, structure, participants and consequence of mediator pattern.

(4 × 5 = 20 marks)

Part C

Answer any four questions.

1. With an example, explain how will you design architecture for a software.
2. Explain the IS 2000 architecture.
3. Describe how customer relationship can be managed using CRM archetype pattern.
4. List the creational patterns and explain any two with example.
5. Explain in detail about the patterns for distributed computing.

Turn over

6. Describe how object can be managed using patterns.
7. With an example, explain how the two offline locks work.
8. Describe how enterprise application integration is used with database oriented middleware and Java middleware.

(4 × 10 = 40 marks)