ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES :: RAJAMPET
(AUTONOMOUS)

M.Tech. II Semester Supplementary Examinations April - 2013

Software Architecture and Design Patterns

(CSE)

Max. Marks: 60   **Time: 03 Hours**

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Answer *any five* questions

All Questions carry equal marks (12 Marks each)

1.	a.	Explain the role of design patterns in solving design problems?	8M
	b.	Give the procedure for selecting a design pattern?	4M
2.	a.	Describe about Private and Accessor method patterns with examples.	8M
	b.	Write about Constant Data Manager?	4M
3.	a.	Explain the structure of Builder design pattern with class diagram.	6M
	b.	What are the uses of Abstract Factory design pattern? Explain.	6M
4.	a.	What are the applications of Flyweight pattern?	4M
	b.	Explain the structure Iterator method pattern?	8M
5.	a.	What are the consequences of using Bridge pattern?	6M
	b.	Explain the Facade pattern?	6M
6.	a.	Explain the implementation issues of Command method?	4M
	b.	Explain Strategy design pattern with an example?	8M
7.		Give the structure of Template pattern and explain its applications?	12M
8.		Write short notes on the following	12M
		a) Critical Section	
		b) Consistent lock order	

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Code : *1P3121*

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES :: RAJAMPET
(AUTONOMOUS)
M.Tech. II Semester Supplementary Examinations April - 2013
Data warehousing and Mining
(*CSE*)

Max. Marks: 60   **Time: 03 Hours**

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Answer *any five* questions
All Questions carry equal marks (12 Marks each)

1.	a.	What is meant by data mining? Discuss about classification of data mining?	6M
	b.	Explain about data cleaning, data integration, and data reduction?	6M
2.	a.	What is data warehouse? Discuss about data warehouse architecture?	6M
	b.	Write the differences between OLAP & OLTP?	6M
3.	a.	Briefly describe data mining query languages? Architectures?	6M
	b.	How to design graphical user interfaces of data mining systems?	6M
4.	a.	What is data generalization and summarization based characterization? Explain?	6M
	b.	Explain statistical measures to take on mining to design large databases?	6M
5.	a.	What is meant by association mining? Discuss various kinds of association rules?	6M
	b.	Briefly discuss about constraint based association mining?	6M
6.	a.	Compare the Bayesian classification and rule based classification?	6M
	b.	Explain about multi relational data mining?	6M
7.	a.	What are the major clustering methods? And partitioning methods? Explain?	9M
	b.	Write short notes on outlier analysis	3M
8.		Discuss about spatial data mining and multimedia data mining, WWW?	12M

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