



University: Technology
College: computer science
Department: software
Stage: level 4 / IS
Lecturer name: Noor Haider
Academic Status: Assistant lecturer
Qualification: Master
Place of work: university of
technology Department of computer
science

Course Weekly Outline

Course Instructor	Noor haider				
E_mail	nr_haider@yahoo.com				
Title	Advanced database				
Course Coordinator					
Course Objective	Data mining, data warehouse				
Course Description	data warehouse, Multidimensional data model, On line analysis types, Data warehouse architecture, Data warehouse implementation, Data preprocessing to construct data warehouse, Why preprocess the data, on , From data warehouse to Data Mining, Data Mining				
Textbook	Jiawei Han, Micheline Kamber, “Data Mining Concept and Techniques”, 2001. Robert wrembel, "data warehouses and OLAP-2007. John wang, encyclopedia of data warehousing and mining-2006.				
References					
Course Assessment	Term Tests	Laboratory	Quizzes	Project	Final Exam
	(25%)	%20	5%	----	50%
General Notes					



Course weekly Outline

week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1	2014/9	Introduction :- What is data warehouse,	Reviews about SQL Lang	
2	2014/9	Difference between operations of data base systems and data warehouse,	Creating table	
3	2014/10	Why have a separate data warehouse,	Insert statements	
4	2014/10	Multidimensional data model:-	Update statements	
5	2014/10	Tables and spread sheets of data cubes	Update table	
6	2014/10	, Data cube, Multidimensional data model,	Creating user	
7	2014/11	Hierarchies concepts,	Select statements	
8	2014/11	On line analysis types:-OLAP, MOLAP	Select statement	
9	2014/11	, ROLAP, OLAP,	Where statement	
10	2014/11	Data warehouse architecture:-	Join statement	
11	2014/12	Steps of design	Select data from multiples user	
12	2014/12	and construction of data warehouse,	Functions	
13	2015/12	Tier data warehouse architecture1,	String function	
14	2015/12	Tier data warehouse architecture2,	Numerical function	
15	2015/1	Advantages of data warehouse,	Aggregation function	
17	2015/2	Meta data repository,	Having Roll up	
18	2015/2	Data warehouse back end tools and unities,	Developer	
19	2015/3	Data warehouse usage,	Create alert	
20	2015/3	Data preprocessing to	Create LOVs	

		construct data warehouse, Why preprocess the data,		
21	2015/3	Clean data,	Built complete project of DB	
22	2015/3	Data integration and transformation,	Built complete project of DB	
23	2015/4	Data reduction	Built complete project of DB	
24	2015/4	, From data warehouse to Data Mining, Data Mining :-	Built complete project of DB	
25	2015/4	Data mining Definition,	Built complete project of DB	
26	2015/4	Data mining functionalities,	Different projects from students	
27	2015/5	Data mining	Different projects from students	
28	2015/5	classification, Citation rules,	Different projects from students	
29	2015/5	Classification,	Different projects from students	
30	2015/5	Prediction, clustering	Different projects from students	
31	2015/6	Exam	Exam	

Dean Signature:

Instructor Signature: