RAMCO INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering

Academic Year: 2019 - 2020 (Odd Semester)

Degree, Semester & Branch **:** V Semester B.E (Common to ECE, EEE, MECH)
Course(Subject) Code & Title **:** OIT551 Database Management Systems
Name of the Faculty member **:** Mr. K.Vignesh Saravanan, AP / CSE

Date: 09.07.2019

Innovative Practice: Reflection

Topics: Relation Models, Keys, Relational Algebra (previous lectures, if any)

Activity on Reflection:

After part of the lesson is completed, in order to address the doubts and to know the level of understanding of the students, they are insisted to honestly describe the concepts that they didn't understand well. The students wrote their doubts and topics which they are not clear. The papers are collected by the course instructor and discussed all the doubts in next class session and make them understand. The course instructor also provided a short written explanation on the papers collected from the students for future reference.

Observations made:

- The topics in which students have some doubts or not clear:
  - Keys – Candidate keys
  - Relational algebra – unary, binary
  - Domain in relation models
- Some additional example should have been planned for explaining the Key concepts.
- Some of the students unaware of the basic operations in computing, so felt very difficult to understand relational algebra operations.

Action taken:

- Explanation is written in all the students' paper and common doubts among students are discussed and explained in the next lecture session.
- Additional video is posted for the students to understand the concept of keys better.

OUTCOME:

Through this activity the students can **recollect the topics** on Relational model, and relational algebra and keys. The **students are made to understand the concepts in which they are not clear and ensured that they understood** the topics thoroughly.

V. Sri Gowsalya
953617106088

Why not using the binary operations?
What is the symbol of binary operations? we can use.
These topics covered in unit-2.
Will explain in class

Name: R. Vishwa bharathi
Reg.No:- 953617105305
Dept.:- EEE

Relational Model.

Data is organised and stored in table.
another name of table is relation.
So called relational model.

G. Selva Pragathy
953617105040
EEE III Year

V. Good ★

There is a datatype float then why we are using numeric.

numeric(5, 2) → float → by default the computer will set the values before and after decimal point

xxxx.xx
↳ 2 digits after decimal point.

Name: M. Aysha Shahana
Reg. No: 953617106016

Why Select, Project, Rename are categorized under unary operator?

because there will work on table
it works on one data
unary

Registed No: 953617106001
Name: C. Abinaya

Doubt:- Why we are removing the attributes from last onwards. Why we can't remove from first onwards?

V.Good — We can remove from any order.

Condition is - after removing still we should be able to identify unique row.

A. Adishree Trinetra
953617106004

In some case, super key = candidate key

~~Candidate key is~~ U

Major diff between candidate key and Superkey? It is more or less the same. V.Good.

— Minimal amount of super key can be used to uniquely identify tuple.

Reg No: 953617106052
Name: S. Mahalakshmi

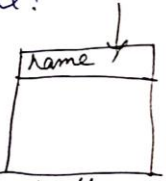
V.V.Good

Doubt:

~~Explain~~ ~~what is XML~~ ?

What is domain in the attribute?

attribute means columns.



—name column will have only "string" data. ~~Here~~ the data type of the column is the "domain".