

Lesson Note

NAME OF SUBJECT TEACHER: ATIKAH LAWAL

THEME: DATA MANAGEMENT

DATE: 11/09/2023

CLASS: SS 2C/D

PERIOD: 3RD

TIME: 09:30AM

DURATION: 40 MINUTES

SUBJECT: DATA PROCESSING

UNIT TOPIC: Data Model

LESSON TOPIC: Data Models/ Types of Data Models

DISCUSSION

Mode: Entire class and individual

Teacher's Activities: The teacher leads students on a discussion on Data Modeling.

Definition of Data Modeling:

This is the process of structuring and organizing data. These data structures are then typically implemented in the database management system. In addition to defining and organizing the data, data modeling may also impose constraints or limitations on the data placed within the data structure.

Concept of Data Modeling:

Data Structure: A data model describes the structure of the data within a given domain and, by implication, the underlying structure of that domain itself.

Data Organization: Another kind of data model describes how to organize data using a database management system technology.

Approach in Data Modeling:

There are several different approaches to data modelling, including:

- Conceptual Data Modeling
- Logical data Modeling
- Physical Data Modeling

Types of Data Modelling:

1. Flat Model
2. Hierarchical Model
3. Network Model
4. Relational Model
5. Object-Rational Model
6. Star Schema

Students' Activities: students write down the teachers' instructions.