

## Class – XII

### Lesson Plan

**Subject:** IP

**Topic:** MY SQL

#### **Brief Description of the lesson:**

SQL is a program created and formulated in the Relational Database Management System to handle structured data.

#### **I - Specific Objectives:**

SP-1: To make students understand about DBMS components and their functions. (Understanding)

SP-2: To enable students to acquire the knowledge of MYSQL functions and MYSQL Constraints. (Understanding)

SP-3: To enable students uses primary key and foreign key after completion of a table. (Understanding)

SP-4: To enable students to create table's insert/update/delete data, and query data in a relational DBMS. (Understanding)

SP5: To enable the students understand of how to add constraints to table. (Analyze)

SP6: To enable the students understand about SQL operations to retrieve data from the database. (Analyze)

#### **II - Behavioral Objectives:**

B1: To make students to understand the concept of relational database management systems. (Understanding)

B2: To make students to understand the difference between select, insert into, update, and delete from. (Understanding)

B3: To make students to understand how to write simple SQL statements and queries. (Analyze)

B4: To make students to understand concept of primary, candidate and super key. (Analyze)

B5: To help the students to understand architecture relational database management. (Understanding)

#### **Process / Activities:**

##### **Activity (to introduce the lesson):**

ACT1: Practice

[https://www.w3schools.com/sql/sql\\_exercises.asp](https://www.w3schools.com/sql/sql_exercises.asp)

##### **Activity (to support learning):**

ACT2: Practice sheet will be given in lab.

##### **Activity / Assignment (to assess learning):**

#### **Expected Learning Outcomes**

##### **Student will:**

1. Be able to understand the use of relational database management. (Understanding)
2. Learn about applications of RDBMS. (Understanding)
3. Be able to understand the relationship between the tables. (Understanding)
4. Be able to apply constraints. (Analyze)
5. Be able to understand the normalization. (Understanding)
6. Be able to design and develops database system to manages data efficiently and effectively. (Understanding)

#### **Behavioral Outcomes:**

##### **Student will:**

- Be able to understand the applications of RDBMS. (Understanding)
- Be able to understand the categorization of problems based on labelled and unlabeled data. (Apply)

- Be able understand relationship between neural network and human nervous system. **(Create)**
- Enable to bifurcate problems into different models. **(Understanding)**
- **Placement of objective, Instructional Activities and Assessment**

Topic: SQL					
Knowledge	Understanding	Application	Analysis	Synthesis	Evaluation
	SP1		SP5		
	SP2	ACT1	SP6		
	SP3				
	SP4				