

**Department of Information and Communication Engineering**  
**Pabna University of Science & Technology**

**Course Code:** ICE-3105

**Course Title:** Database Management Systems **Sessional**

**Experiment List**

**Experiment 1:** Study and Implementation of DML Commands of SQL with Suitable Example

- Insert
- Delete
- Update

**Experiment 2:** Study and Implementation of DDL Commands of SQL with Suitable Example

- Create
- Alter
- Drop

**Experiment 3:** Study and Implementation of DML Commands of

- Select Clause
- From Clause
- Where Clause

**Experiment 4:** Study and Implementation of DML Commands of

- Group By & Having Clause
- Order By Clause
- Create View, Indexing & Procedure Clause

**Experiment 5:** Study and Implementation of SQL Commands of Join Operations with Example

- Cartesian Product
- Natural Join
- Left Outer Join
- Right Outer Join
- Full Outer Join

**Experiment 6:** Study and Implementation of Aggregate Function with Example

- Count Function
- Max Function

- Min Function
- Avg Function

**Experiment 7:** Study and Implementation of Triggering System on Database Table Using SQL Commands with Example.

**Experiment 8:** Study and Implementation of SQL Commands to Connect MySQL Database with Java or PHP.

**Sample Objectives:** (*write objectives like bellow*)

1. To understand and use data definition language to write query for database
2. To understand and use data manipulation language to write query for database.
3. To understand the different issues in the design and implementation of a database system.
4. To understand and use data manipulation language to insert, update, delete and manage database.