**EXPERIMENT 1**

**ER DIAGRAM OF COLLEGE DATABASE**

**Aim:** Draw an ER diagram of a college database.

**Components of ER diagram of a college database:**

* **Database :** Database is a collection of data, typically describing the activities of one or more

related organization. Database is an organized way to store, retrieve and perform operations on a Set of interrelated data that its contents can easily be accessed, managed, and updated.

* **Entity:** An entity is represented by a Entity rectangle which contains the entity’s name.
* **Relationship:** A relationship where entity is existence-independent of other Strong entities and PK of Child do relationship contain PK component of Parent Entity. A strong relationship is represented by a single rhombus.
* **Attribute:** In the ER notation, each attribute is represented by an oval containing attribute name.

**Diagram:**



