Experiment 1

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

**Components of an ER diagram:**

* **Entity:** An entity can be a person, place, event, or object that is relevant to a given system.represented by a rectangle .
* **Weak entity:**A weak entity is an entity that depends on the existence of another entity.Represented by a double rectangle.
* **Attribute:**An attribute is a property, trait, or characteristic of an entity, relationship, or another attribute.Represented by oval shapes.
* [**Multivalued attribute:**](https://creately.com/diagram-type/objects/database-design/multivalued-attribute)If an attribute can have more than one value it is called a multivalued attribute.Represented by double ovals.
* **Derived attribute:**An attribute based on another attribute.Represented by dotted ovals.
* **Relationship:**A relationship describes how entities interact.Represented by diamond shape.

**ER Diagram of College Database**

