

Name : Pramit Sil

Roll no : 24

Enrollment No : ADT23SOCB1544

Department of Information Technology

DBPL Assignment No : 1(B)

Design an E-R diagram for the Department of Information Technology (IT)
Entities and Attributes

1. Department

o Attributes: Dept_ID (Primary Key), Dept_Name, Institute_Name, Location

2. Specialization

o Attributes: Spec_ID (Primary Key), Spec_Name, Dept_ID (Foreign Key)

3. Student

o Attributes: Student_ID (Primary Key), Name, Email, Phone, Year, Spec_ID (Foreign Key)

4. Faculty

o Attributes: Faculty_ID (Primary Key), Name, Email, Phone, Designation, Dept_ID (Foreign Key)

5. Project

o Attributes: Project_ID (Primary Key), Project_Name, Project_Description, Start_Date, End_Date, Student_ID (Foreign Key), Faculty_ID (Foreign Key)

6. Activity

o Attributes: Activity_ID (Primary Key), Activity_Name, Activity_Type (Cultural/Technical), Date, Dept_ID (Foreign Key)

7. Club

o Attributes: Club_ID (Primary Key), Club_Name, Description, Dept_ID (Foreign Key)

8. Chapter

o Attributes: Chapter_ID (Primary Key), Chapter_Name, Affiliation (e.g., IEEE, ACM), Dept_ID (Foreign Key)

9. Club_Association



