TRAINING AND PLACEMENT MANAGEMENT SYSTEM

GROUP MEMBERS

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ABSTRACT FOR TRAINING AND PLACEMENT MANAGEMENT SYSTEM

- This project gives complete detailed information of how the data of the students is stored in database, details of training going in each department.
- The system stores all the details, aggregate marks and other technical skills of the student that are required in the CV to be sent to the company. Here it contains a well formed schedule regarding that when a student of a particular department must under a training and also what other specializations are needed to undergo a well placement.

- The system also stores the placement details such as how many companies visited during last academic year, highest package, lowest package, average package, number of students who got placed and number students who didn’t placed for each department and for the whole college subsequently.

KEYWORDS:

Data, Data base, Constraints, Entity, Entity sets, ER diagrams, Relationships.

SCENARIO FOR TRAINING AND PLACEMENT MANAGEMENT

- Training cell offers many training courses. Each course has a unique course_id, course name.
- A course can be taught by many trainers and a trainer can teach many courses. Trainer will have a trainer id, name, contact number,trainer company id.
- Trainer send the training details to training company. Training company will have training company id, name, contact number.
- Each student can perceive many training courses and student is identified by their roll_no. Student has details such as name, DOB, phone_no, CGPA.

- Students will do internships in a company. Each internship will have a name and stipend. Students can get placement in a company and each placement will have salary and type of job.
- Each student may attempt interviews at many companies. Company will have a company_id and company name.

ENTITY SETS FOR THE TRAINING AND PLACEMENT MANAGEMENT SYSTEM

1. The student entity set with attributes

   Cgpa,Ph_no,Roll_no,DOB,Name

2. The courses entity set with attributes

   Course_id,Course_name

3. The trainer entity set with attributes

trainer_id,trainer_phoneno,trainer_name,trainer_company_id

4. The training company entity set with attributes

training_company_phoneno,training_company_name,

training_company_id

5. The company entity set with attributes

company_name,company_id

RELATIONSHIP SETS FOR THE TRAINING AND PLACEMENT MANAGEMENT SYSTEM

1. A many to one relationship between training company(A training company can have many trainers but a trainer has only one training company) and trainer

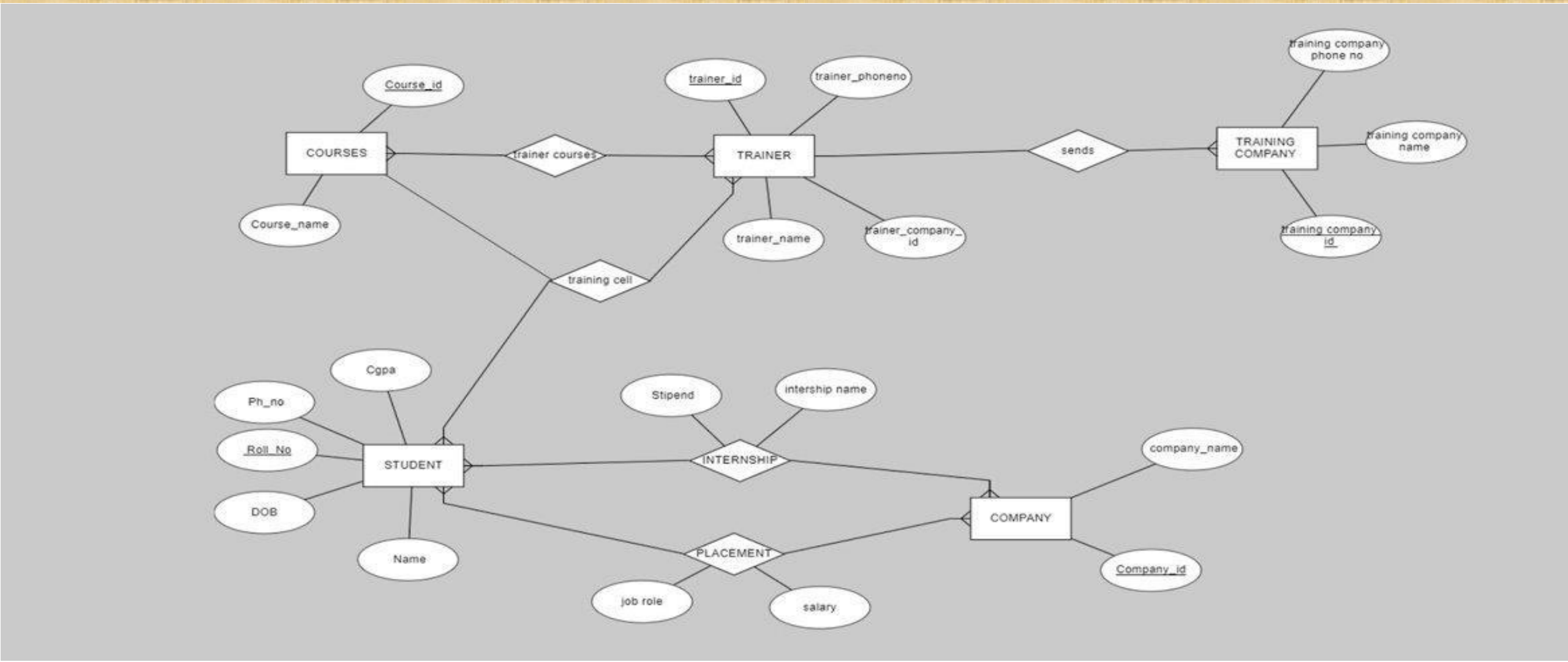
2. Trainer courses,A many to many relationship between trainer and courses

3. Training cell,A ternary relationship between trainer,courses and student

4. Internship,A many to many relationship between company and student with attributes stipend and internship name.

5. Placement,A many to many relationship between company and student with attributes job role and salary.

ER DIAGRAM FOR TRAINING AND PLACEMENT MANAGEMENT SYSTEM



RELATIONAL SCHEMAS FOR TRAINING AND PLACEMENT MANAGEMENT SYSTEM

STUDENTS

Roll_no : primary key.

Name : not null.

Dob : not null.

Ph_no : not null.

Roll_no	Name	Dob	Cgpa	Ph_no

INTERNSHIP

Roll_no : foreign key referencing student.

Intern_name : not null.

Company_id : foreign key referencing company.

Roll_no	Intern_name	Company_id	Stipend

PLACEMENT

Roll_no : foreign key referencing student.

Company_id : foreign key referencing company.

Job_role : not null.

Salary : not null.

Roll_no	Company_id	Job_role	Salary

COMPANY

Company_id : primary key.

Company_name : not null.

Company_id	Company_name

TRAINING_CELL

Roll_no : foreign key referencing student.

Course_id : foreign key referencing courses.

Trainer_id : foreign key referencing trainer.

Roll_no	Course_id	Trainer_id

TRAINING_COMPANY

Training_co_id : primary key.

Training_co_name : not null.

Training_co_loc : not null.

Training_co_ph_no : not null

Training_co_id	Training_co_name	Training_co_loc	Training_co_ph_no

COURSES

Course_id : primary key.

Course_name : not null.

Course_id	Course_name

TRAINER

Trainer_id : primary key.

Trainer_name : not null.

Training_co_id : foreign key referencing training_company.

Trainer_ph_no : not null.

Trainer_id	Trainer_name	Training_co_id	Trainer_ph_no

TRAINER_COURSES

Trainer_id : foreign key referencing trainer.

Course_id : foreign key referencing courses.

Trainer_id	Course_id

CONCLUSION

Thus in training and placement management system we can maintain the record of students placed every year from each department and keep a track on the annual performance of students in placement activity . It helps us to derive highest and the average package of the campus every year.