

Name: Farhan Siddiqui

Roll No:87

Sr. No.	DATE	TITLE	SIGN
1.		Study of Data Definition Language Statement	
2.		Study of Data Manipulation Language Statement	
3.		Study of SELECT Statement.	
4.		Draw ER diagram for given scenario/project/case study	
5.		Study of various type of JOINS	
6.		Study of different functions	
7.		Study of various types of SET OPERATORS	
8.		Study of various types of views	
9.		Study of subqueries with all its clauses	
10.		Study of Transaction (Commit/ Rollback), Locks	
11.		Implementing deadlocks	

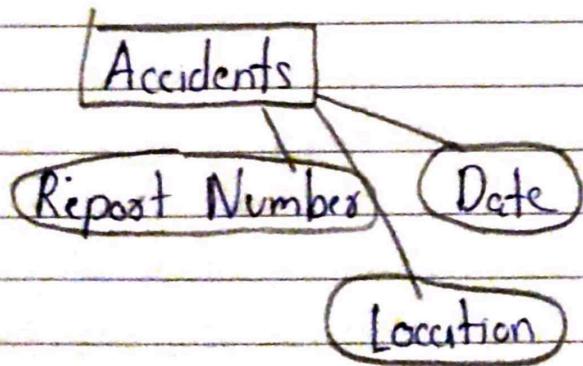
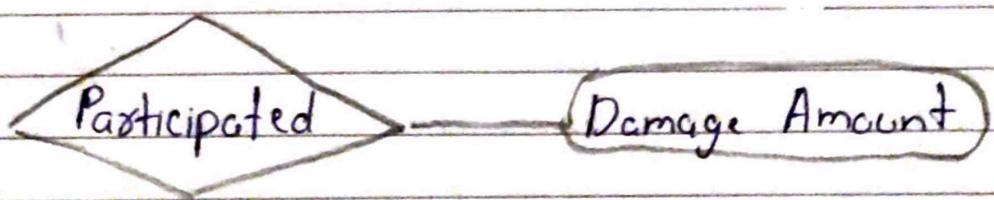
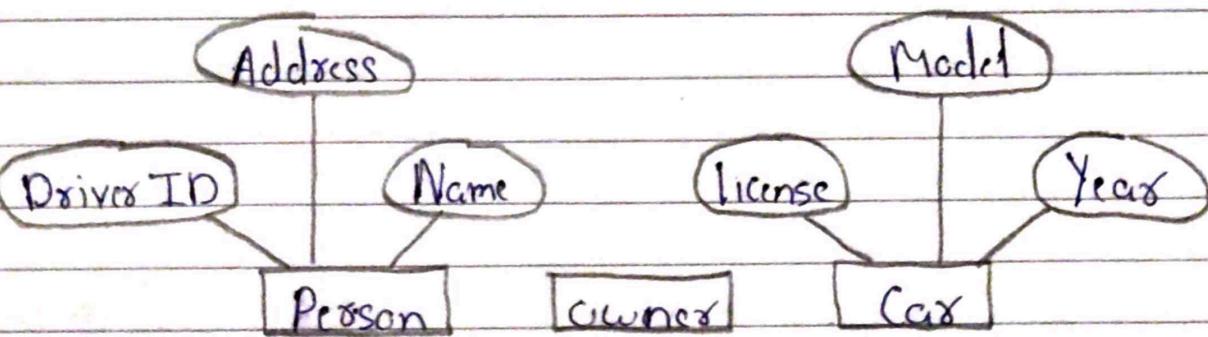
Farhan Siddiqui

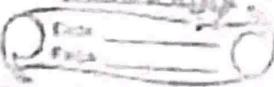
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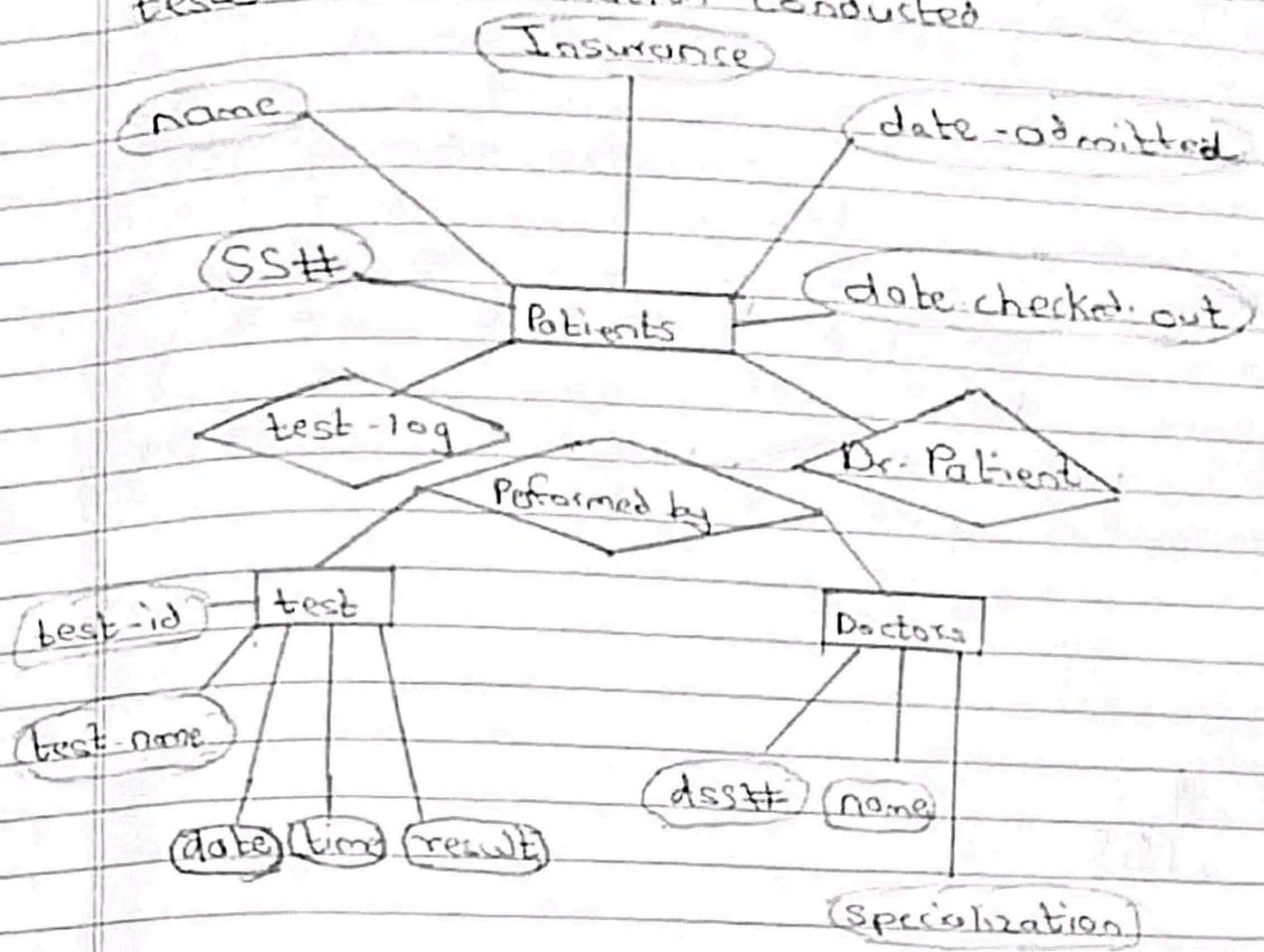
## Practical - 4

- i) Construct an ER diagram for a car insurance company whose customer own one or more car each. Each car has associated with it zero to any number of recorded accidents





- 2 Construct an E-R diagram for a hospital with a set of patients and a set of Medical doctors. Associate with each patient a log of the various tests and examination conducted.



Construct appropriate table for the above ER diagram

Patient (SS#, name, insurance)

Physician (name, Specialization)

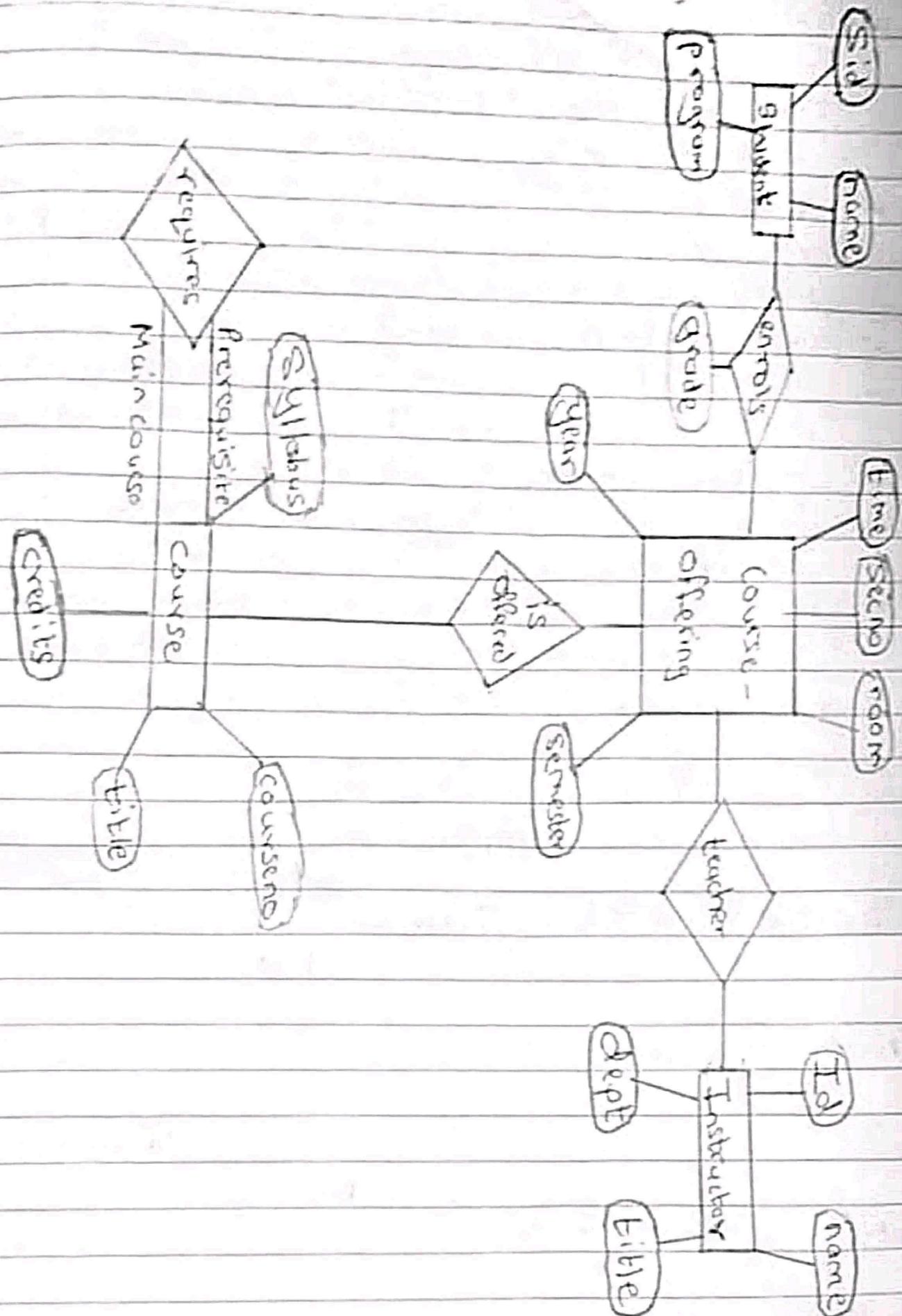
Test-log (SS#, test-name, date, time)

Doctor-patient (Physician-name, SS#)

Patient-history (SS#, test-name, date)

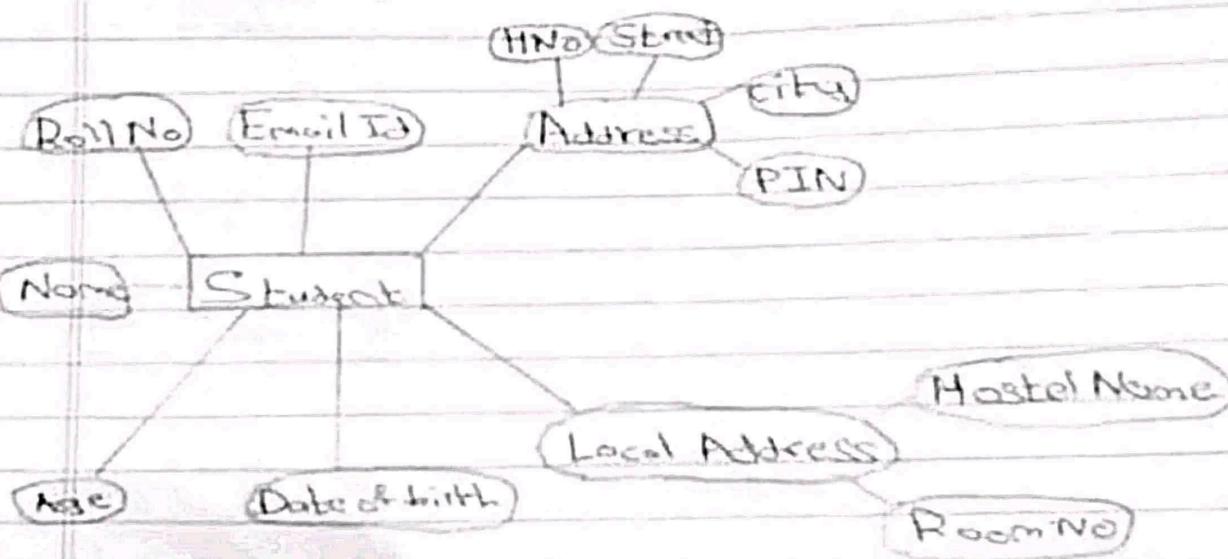
3] A university registrar's office maintains data  
the following entities @ Courses including number,  
title, credits, syllabus and Prerequisites @ course  
Offering, including number, title, year, semester  
Section number, instructor(s), timings and classroom  
@ Students, including student-id, name and  
program and @ instructors, including identi- cati-  
number, name, department, and title. Further the  
enrollment of students in courses and grades  
awarded to Students in each course they are  
enrolled for the registrar's of -ce Document  
all assumptions that you make about the  
mapping constraints

Ans : =>

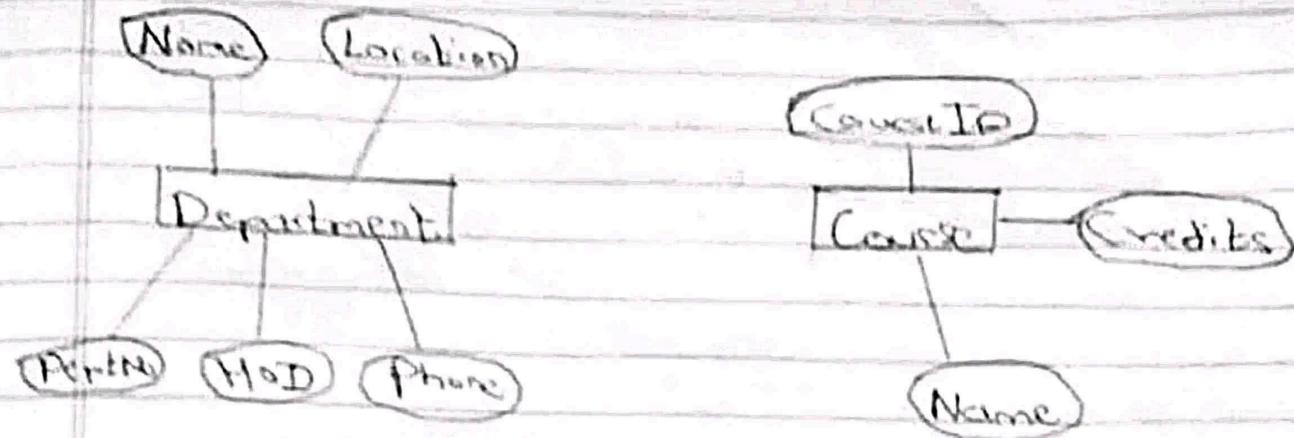


- Q
6. Draw the ER diagram for the given Scenario
- In an educational institute there are several departments and students belong to one of them. Each department has a unique department number, a unique name, location, a phone number and is headed by a professor.
  - Professor have a unique employee id, name, phone no.
  - We like to keep track of the following details regarding students: name, unique roll no, gender, address, date of birth, age and one more email address.
  - Students have a local address consisting of the hotel name and room no. They also have home address consisting of house no, street, city and pin.
  - A course taught in a semester of the year is called a section. There can be several sections of the same course in a semester, these are identified by section number. Each section is taught by a different professor and has its own timings and a room number.

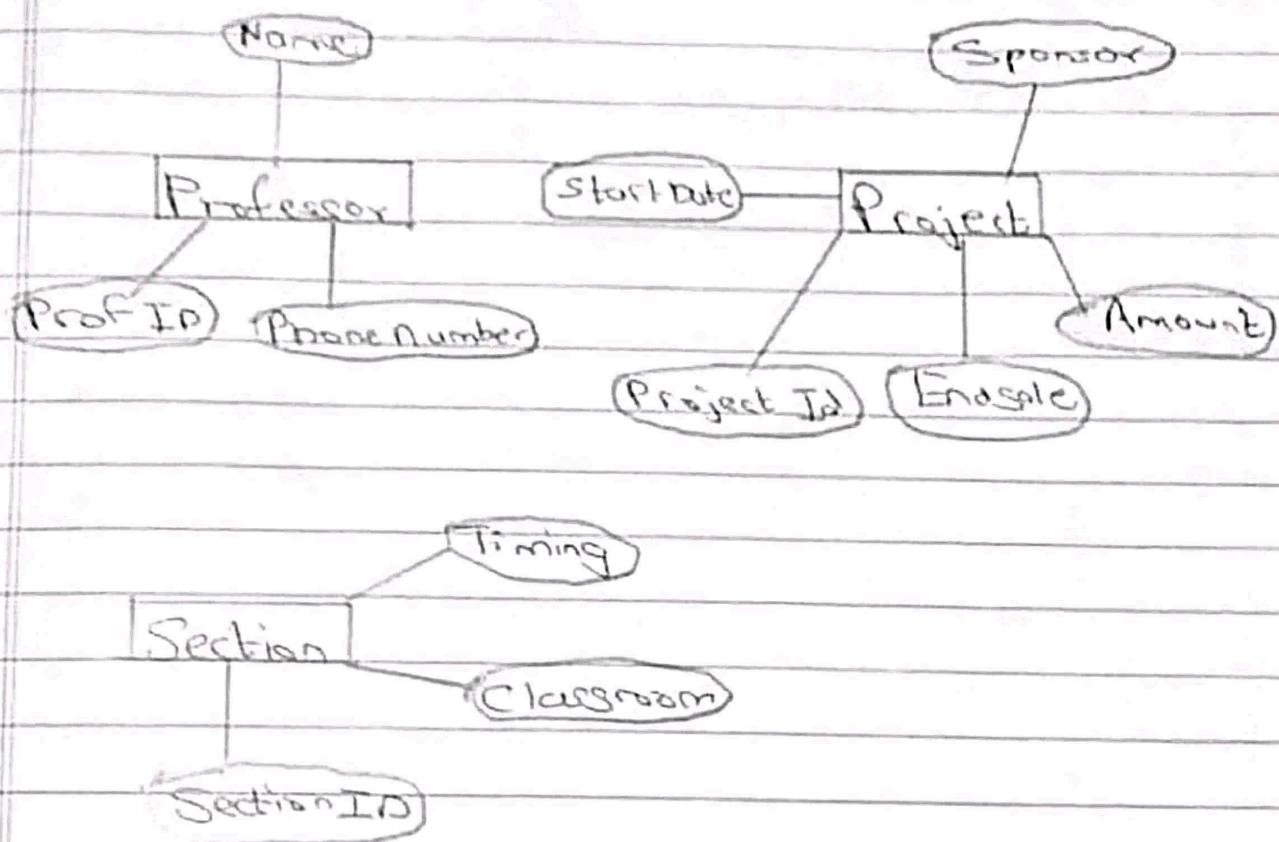
### Entities - Student



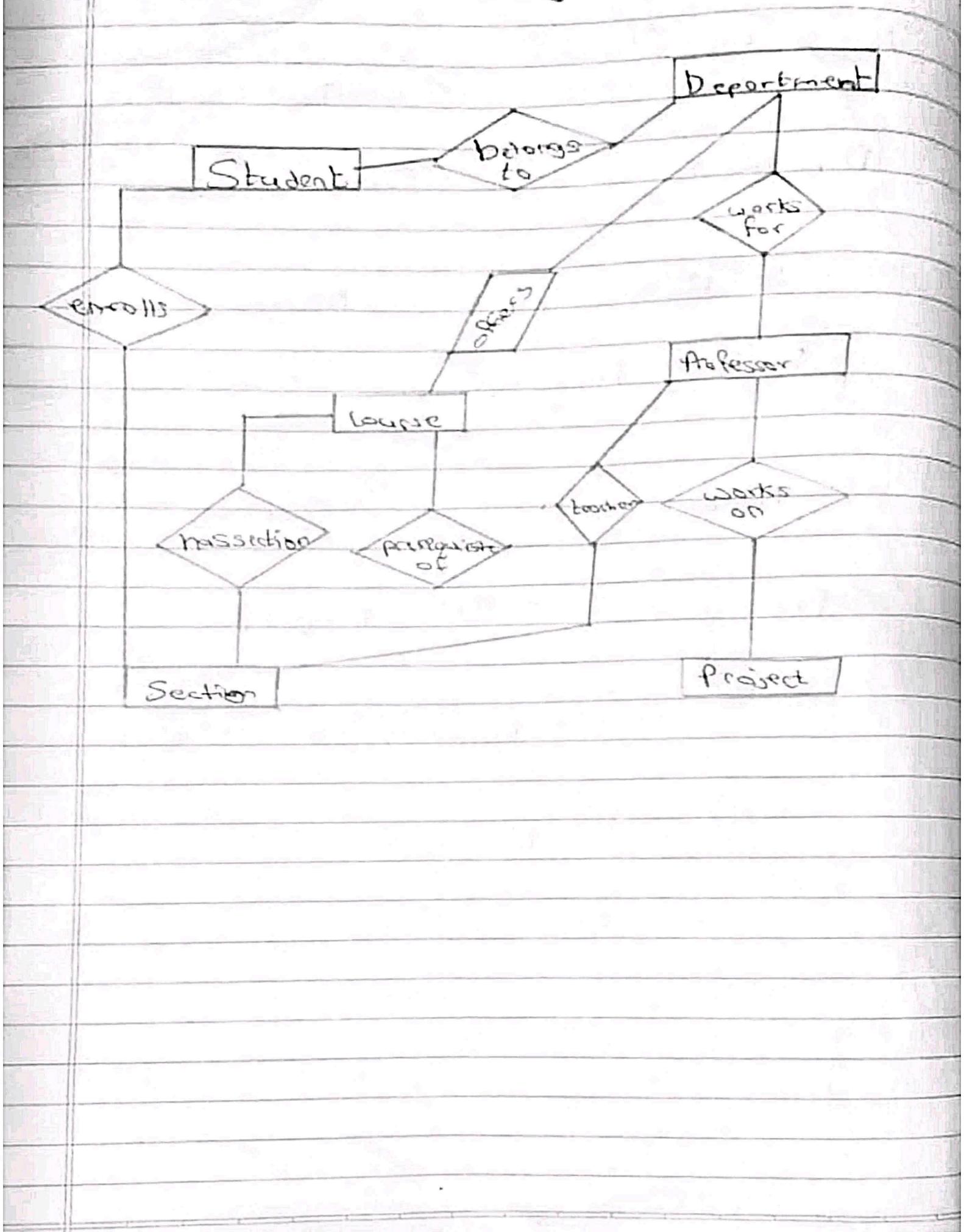
## Entities - Department and Course



## Entities - Professor, Project and Sections

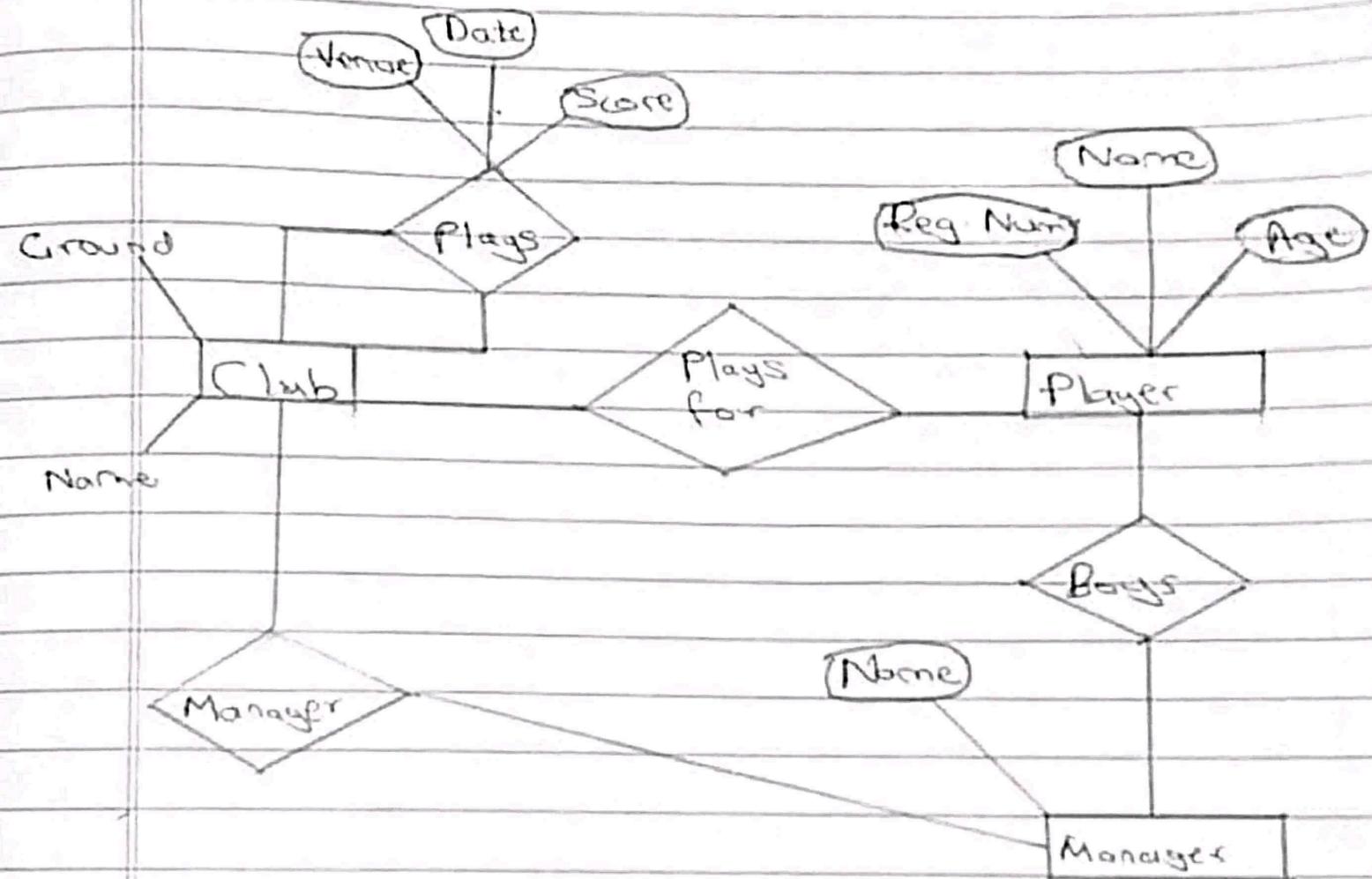


# E.R Diagram Showing relationship



Q5

A football Club has an name and a ground is made up of player. A player can play for only one club and a manager, represented by his name manages a club. A footballer has a registration number, name and age. A club manage also buys players. Each club plays against each other club in the league and matches have a date, venue and score?





**MALAD KANDIVALI EDUCATION SOCIETY'S  
NAGINDAS KHANDWALA COLLEGE OF COMMERCE,  
ARTS & MANAGEMENT STUDIES & SHANTABEN NAGINDAS  
KHANDWALA COLLEGE OF SCIENCE  
MALAD [W], MUMBAI – 64  
(AUTONOMOUS)**

**(Reaccredited 'A' Grade by NAAC)  
(AFFILIATED TO UNIVERSITY OF MUMBAI)  
(ISO 9001:2015)**

**CERTIFICATE**

**Name: Mr.Farhan Siddiqui**

**Roll No: 87      Programme: BSc IT      Semester: II**

This is certified to be a bonafide record of practical works done by the above student in the college laboratory for the course **Database Management Systems I** (Course Code: **2023UISPR**) for the partial fulfillment of Second Semester of BSc IT/CS during the academic year 2020-2021.

The journal work is the original study work that has been duly approved in the year 2020-2021 by the undersigned.

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**External Examiner**

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**Subject-In-Charge  
(Ms.Sweety Garg)**

**Date of Examination: (College Stamp)**