

# Relational Schema

## linear Depression

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- USERS (Id, User\_name, Password)
- ADMIN (Id)  
ADMIN.User\_name references USERS.Id
- STUDENT (Id , First\_name, Last\_name , Faculty, Gpa, Email, Type, Address )  
STUDENT.Id references UserS.Id
- STUDENT\_MOBILE\_NUMBERS (Sid, Mobile\_number)  
STUDENT\_MOBILE\_NUMBERS.Sid references STUDENT.Id
- GUCIAN (Sid, Guc\_id)  
GUCIAN.Sid references STUDENT.id
- NONGUCIAN (Sid)  
NONGUCIAN.Sid references STUDENT.Id
- SUPERVISOR (Id, Name , Faculty, Email)  
SUPERVISOR.Id references USERS.Id
- PAYABLE (Id)
- THESIS (Serial\_number, Start\_date, End\_date, Duration , Title, Type, Field, Seminar\_date , Number\_of\_extension, Student\_id , Supervisor\_id , Payment\_id)  
THESIS.Student\_id references STUDENT.Id  
THESIS.Supervisor\_id references SUPERVISOR.Id  
THESIS.Payment\_id references PAYMENT.Id  
where Duration = End\_date - Start\_date
- CO\_SUPERVISED (Thesis\_number, Supervisor\_id)  
CO\_SUPERVISED.Thesis\_number references THESIS.Serial\_number  
CO\_SUPERVISED.Supervisor\_id references SUPERVISOR.Id

- REPORT (Serial\_number, Date, Description, Progress\_state)  
REPORT.Serial\_number references THESIS.Serial\_number
- EVALUATED (Thesis\_number, Date, Supervisor\_id, Evaluation)  
EVALUATED.Thesis\_number references REPORT.Serial\_number  
EVALUATED.Date references REPORT.Date  
EVALUATED.Supervisor\_id references SUPERVISOR.Id
- DEFENSE (Serial\_number, Date, Location, Grade)  
DEFENSE.Serial\_number references THESIS.Serial\_number
- EXAMINER (Id, Name, Field\_of\_study, Is\_national)
- EXAMINED\_BY (Serial\_number, Examiner\_id, Comments)  
EXAMINED\_BY.Serial\_number references DEFENSE.Serial\_number  
EXAMINED\_BY.Examiner\_id references EXAMINER.Id
- PUBLICATION (Id, Date, Host, Place, Payable\_id)  
PUBLICATION.Payable\_id references Payable.id
- PUBLISHED\_FOR (Thesis\_number, Publication\_id, Accepted)  
PUBLISH.Thesis\_number references THESIS.Serial\_number  
PUBLISH.Publication\_id references PUBLICATION.Id
- COURSE (Id, Code, Credit\_hours, Fees, Payable\_id)  
COURSE.Payable\_id references PAYABLE.Id
- TAKEN\_BY (Student\_id, Course\_id, Grade)  
TAKEN\_BY.Student\_id references NONGUCIAN.Id  
TAKEN\_BY.CourseId references COURSE.Id
- PAYMENT (Id, Fund\_percentage, Num\_of\_installment, Total\_amount, PayableId, Student\_id)  
PAYMENT.Payable\_id references PAYABLE.Id  
PAYMENT.Student\_id references STUDENT.Id
- INSTALLMENT (Payment\_id, Date, Amount, Status)  
INSTALLMENT.Payment\_id references PAYMENT.Id