

- a)
- Initial phase (Define fully database users need)
  - Second phase (Choose data model)
  - Final phase (Implementation of database)
- b) ER data model – scheme that describes the structure of a database as diagram.

- a)
- Student (ID, name(first\_name, second name), age(), birth\_date, {phone\_number})
- b)
- University (ID, city, address(street\_name, street\_number), {phone\_number})
- Course (course\_id, title, credits, dept\_name)
- Dormitory (ID, city, address(street\_name, street\_number), {phone\_number})
- Teacher (ID, name(first\_name,second name),age(), birth\_date,{phone\_number},dept\_name)
- Office of the Registrar (ID, email, {phone\_number})



