Online Network Engineering Course Database
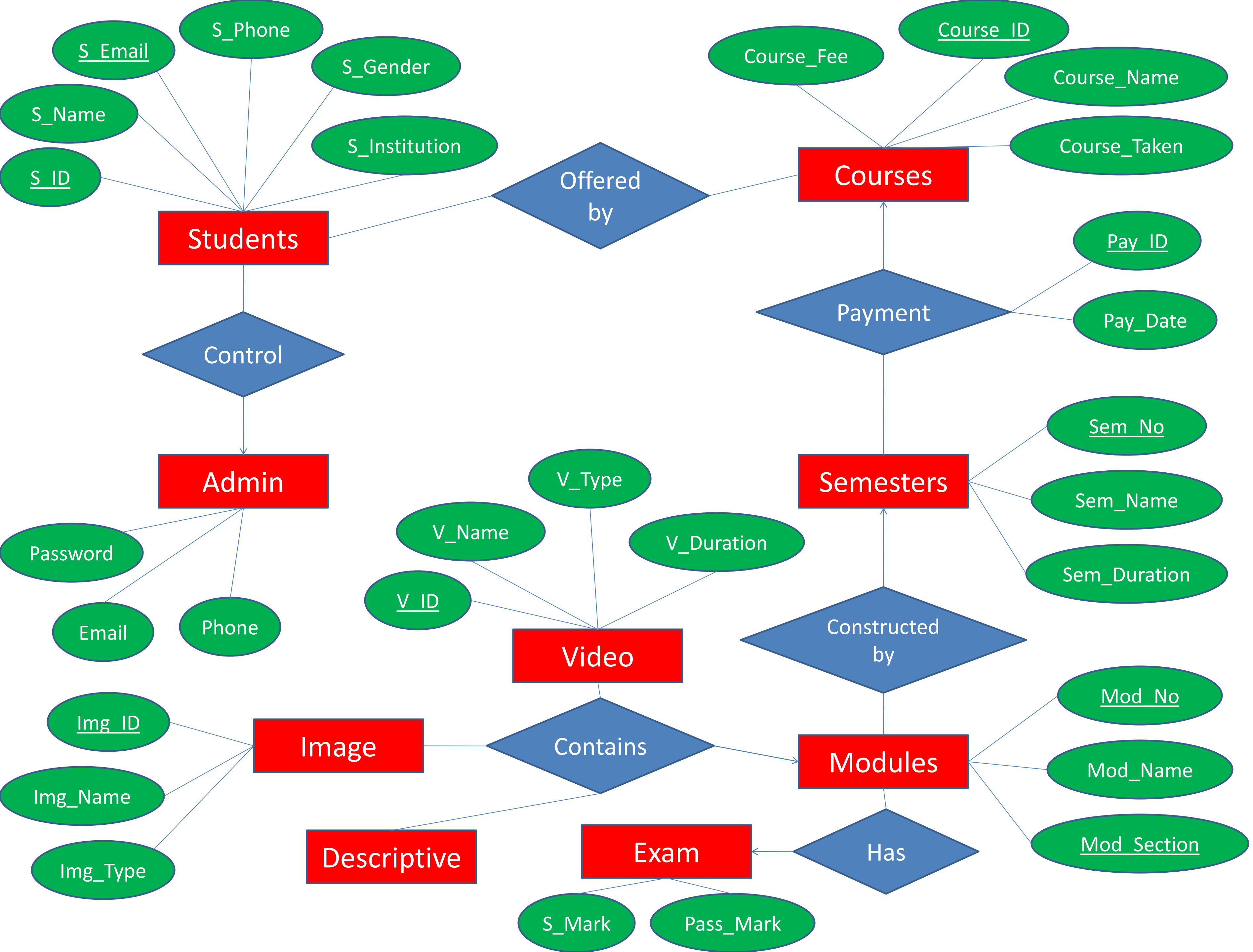
E-R Diagram

Entity-Relationship Diagram

Students (entity)
- S_Email
- S_Phone
- S_Gender
- S_Name
- S_Institution
- S_ID

Courses (entity)
- Course_Fee
- Course_ID
- Course_Name
- Course_Taken

Offered by (relationship) — connects Students and Courses

Control (relationship) — connects Students and Admin

Admin (entity)
- Password
- Email
- Phone

Payment (relationship)
- Pay_ID
- Pay_Date

Semesters (entity)
- Sem_No
- Sem_Name
- Sem_Duration

Video (entity)
- V_Type
- V_Name
- V_Duration
- V_ID

Constructed by (relationship)

Contains (relationship) — connects Image and Modules

Image (entity)
- Img_ID
- Img_Name
- Img_Type

Modules (entity)
- Mod_No
- Mod_Name
- Mod_Section

Descriptive (entity)

Exam (entity)
- S_Mark
- Pass_Mark

Has (relationship) — connects Modules and Exam

Schema Diagram

Students

- S_ID (PK)
- S_Email (PK)
- S_Name
- S_Phone
- S_Gender
- S_Institution

Courses

- Course_ID (PK)
- Course_Fee (PK)
- St_ID (FK)
- St_Email (FK)
- Course_Name
- Course_Taken

Payment

- Pay_ID (PK)
- Std_ID (FK)
- Std_Email (FK)
- Cors_ID (FK)
- Cors_Fee (FK)
- Pay_Date

Semesters

- Sem_No (PK)
- Stud_ID (FK)
- Stud_Email (FK)
- Sem_Name
- Sem_Duration

Admin

- Email
- Password
- Phone

Video

- V_ID (PK)
- V_Name
- V_Type
- V_Duration
- M_Section (FK)

Modules

- Mod_No (PK)
- Mod_Section (PK)
- Student_Email (FK)
- Mod_Name

Image

- Img_ID (PK)
- Img_Name
- Img_Type
- Md_Section (FK)

Descriptive

- Modl_Section (FK)

Exam

- Stdnt_Email (FK)
- S_Mark
- Pass_Mark