

1 USERS TABLE

users

user_id PK

username UNIQUE

password_hash

role ENUM('DPO','COLLECTOR','DEPT')

dept_id FK → departments.dept_id (NULL for DPO/Collector)

email

created_at

2 DEPARTMENTS TABLE

departments

dept_id PK

dept_name

created_at

3 MINUTES TABLE

(Uploaded meeting minutes)

minutes

minutes_id PK

Title

meeting_date

uploaded_by FK → users.user_id

File_path

created_at

- ♦ One minutes → many issues

4 ISSUES TABLE

(Extracted or manually added issues)

issues

issue_id PK

minutes_id FK → minutes.minutes_id

issue_title

issue_description

Location

priority ENUM('LOW','MEDIUM','HIGH')

created_at

5 ISSUE_DEPARTMENT TABLE

(Many-to-many relationship)

issue_department

issue_dept_id PK

issue_id FK → issues.issue_id

dept_id FK → departments.dept_id

deadline_date

status ENUM('PENDING','COMPLETED','OVERDUE')

6 RESPONSES TABLE

(Department replies + attachments)

responses

response_id PK

issue_dept_id FK → issue_department.issue_dept_id

response_text
attachment_path
submitted_at

7 NOTIFICATIONS TABLE

(Alerts & reminders)

notifications

notification_id PK
user_id FK → users.user_id
issue_dept_id FK → issue_department.issue_dept_id
message
is_read
created_at

ER RELATIONSHIP SUMMARY

Users → Departments
Users → Minutes
Minutes → Issues
Issues → Issue_Department → Departments
Issue_Department → Responses
Users → Notifications