## Web Design Project Proposals

## 1. Student Course Registration System

### Objective

Develop a user-friendly web-based platform that allows students to seamlessly register for university courses while enabling administrators to manage course catalogs, student enrollments, and academic records efficiently.

### Features

1. **Create**: Student account, course registrations
2. **Read**: View available courses, registration history
3. **Update**: Modify course selections, student profile
4. **Delete**: Cancel enrollment, delete student account

### Entities and Attributes

**Student**

* student\_id (PK)
* first\_name
* last\_name
* email
* password
* date\_of\_birth
* registration\_date

**Course**

* course\_id (PK)
* course\_name
* course\_code
* description
* credits
* instructor

**Enrollment**

* enrollment\_id (PK)
* student\_id (FK)
* course\_id (FK)
* enroll\_date
* status

**Admin**

* admin\_id (PK)
* username
* email
* password

## 2. Event Management System

### Objective

Create a dynamic event management web application that allows users to browse, register for, and track events, while giving administrators the tools to organize, update, and manage event details and participants effectively.

### Features

1. **Create**: Events, user registrations
2. **Read**: Event details, participant list
3. **Update**: Event info, registration status
4. **Delete**: Cancel registration or event

### Entities and Attributes

**User**

* user\_id (PK)
* name
* email
* password
* phone\_number

**Event**

* event\_id (PK)
* title
* description
* location
* start\_date
* end\_date
* created\_by (FK)

**Registration**

* registration\_id (PK)
* user\_id (FK)
* event\_id (FK)
* registration\_date
* status

**Admin**

* admin\_id (PK)
* username
* email
* password

## 3. Rwanda Driving License Management System

### Objective

Build a comprehensive digital solution for the Rwandan driving license system, enabling citizens to apply for licenses, check their application status, and access issued licenses online, while providing authorities with administrative tools for reviewing, approving, and maintaining license records.

### Features

1. **Create**: User accounts, license applications, driving license records
2. **Read**: Application status, license records, user data
3. **Update**: Application info, license status, user profile
4. **Delete**: Cancel application, remove expired/invalid records

### Entities and Attributes

**Candidate**

* NationalId (PK)
* Full\_Name
* Gender
* Date\_of\_birth
* Email
* PhoneNumber

**Application**

* Application\_Id (PK)
* NationalId (FK)
* Application\_Date
* License\_Type (e.g., A, B, C)
* Status (Pending, Approved, Rejected)

**License**

* License\_Id (PK)
* NationalId (FK)
* License\_Number
* License\_Type (e.g., A, B, C)
* Issue\_Date
* Expiry\_Date
* Status (Active, Suspended, Expired)

**Admin**

* Admin\_Id (PK)
* Username
* Email
* Password

**Grade**

* Application\_Id (FK)
* Test\_type (Theory, Practical)
* Score
* Decision
* Test\_Date