This system is designed to manage and streamline academic processes within the university. It ensures data accuracy, facilitates efficient operations, and provides a structured way to handle key educational components such as student information, courses, and registration

Student Model has: National ID, name , phone, email, Education.

Validation:

National ID:

- ✓ @NotEmpty(message="ID cannot be empty")
- ✓ @Size(min=10 ,max=10, message ="ID Must be exactly 10")

Name:

- ✓ @NotEmpty(message= "name is empty")
- ✓ @Size(min=4, message="name must be more than 3")
- ✓ @Patrren(regex="^[a-zA-Z]+$", message= : "Name must contain only characters")

Phone:

- ✓ @NotEmpty (message= "phone is empty")
- ✓ @Pattren (regex= "^05\\d{8}$", message = "must be start with 05 and contain 10 numbers ")

Email:

- ✓ @NotEmpty(message="Email cannot be empty")
- ✓ @Email(message ="invalid email")

Education:

- ✓ @NotEmpty (message= "Education is empty")

Course Model has: Course Model, Course Name, Credit hours, Schedule.

Validation:

Course code:

- ✓ @NotEmpty (message= "course code cannot be empty")
- ✓ @Size(min=5, max=10 ,message="course code must be between 5 and 10")

Course Name:

- ✓ @NotEmpty (message= "course name cannot be empty")
- ✓ @Size(min=3, message="name must be more than 3 characters")

Credit hours:

- ✓ @NotNull(message=" Credit hours cannot be null")
- ✓ @Min(1,message =" Credit hours must be at least 1")
- ✓ @Max (6 , message =" Credit hours must not exceed 6")

Schedule:

- ✓ @NotEmpty (message= "Schedule cannot be empty")

Registration Model has: Registration ID, Student ID, Course code, Semester, Status.

Validation:

Registration ID:

- ✓ @NotEmpty(message: "registration ID connot be empty")
- ✓ @Size(min=8 ,max= 10, message= "registration ID must be between 8 and 10")

Student ID:

- ✓ @NotEmpty(message: "registration ID cannot be empty")
- ✓ @Size(min=10 ,max= 10, message= "Student ID must be exactly 10")

Course code:

- ✓ @NotEmpty (message= "course code cannot be empty")

Semester:

- ✓ @NotNull(message=" Semester cannot be null")
- ✓ @Min(1,message =" Semester must be at least 1")

Status:

- ✓ @NotEmpty(message: "status cannot be empty")
- ✓ @Pattern(regexp= "enrolled|completed|withdrawn" , message= "status must be enrolled or completed or withdrawn").