

## ○ Explanation of code and Screenshot

### • Signup Page Explanation

This signup page is designed to allow users to create a new account by entering their personal details. It uses a clean, modern layout and performs proper validation to ensure that correct information is submitted. The page is responsive and works well on both desktop and mobile devices.

#### ○ Page Structure

The page is divided into two main sections:

##### Left Section

The left section displays a welcome message. Its purpose is to make the page more attractive and user-friendly by greeting the user and encouraging them to register.

##### Right Section

The right section contains the actual registration form where users enter their details. It includes multiple input fields and a submit button.

#### ○ Form Fields

The registration form collects the following information from the user:

- First Name
- Last Name
- Phone Number
- Email Address
- Password
- Confirm Password
- User Type (Student or Admin)

Each input field displays an error message if the entered data is invalid or missing.

#### • Validation Logic

Client-side validation is used to ensure that the data entered by the user is correct before submission.

- First name and last name must not be empty.
- Email must be entered in a valid email format.
- Phone number must contain exactly 10 digits.
- Password must meet minimum security requirements such as length, uppercase letter, and special character.
- Confirm password must match the password.
- User type must be selected.

If any field contains invalid data, an appropriate error message is displayed next to that field.

#### • Password Features

The password field includes additional usability and security features:

- A password strength indicator shows whether the password is weak, medium, or strong.

- Users can toggle the visibility of the password to check what they have typed.
- The confirm password field ensures that the user re-enters the same password.

- **User Feedback**

- Error messages are shown in red text when validation fails.
- A success message is displayed when all fields are correctly filled.
- The form does not submit to the server until all validations pass.

- **Styling and Design**

- The page uses a modern color gradient background.
- A glassmorphism-style container gives a professional look.
- Floating labels improve usability and visual clarity.
- Buttons are styled with gradients and hover effects.
- The layout adjusts automatically for smaller screens to ensure mobile responsiveness.

- **Overall Functionality**

The signup page provides a smooth and interactive user experience. It prevents incorrect data entry, improves security through password validation, and offers a clean and responsive design suitable for real-world applications.

## ○ Screenshot

