

# Assignment Report by Rachit Gupta 2021BCSE07AED032

## Task 2: Front-End Development Process and Technologies Used

The front-end development was executed with a focus on clean and well-structured code, using the following technologies:

- **HTML:** The skeleton of the landing page was structured using HTML5, ensuring semantic tags like `<header>`, `<nav>`, `<section>`, and `<footer>` were used to define the document structure clearly.
- **CSS:** Styling was done using CSS3, incorporating Flexbox for flexible layouts and ensuring responsive design. Media queries were used to adapt the layout for mobile devices, tablets, and desktops. Elements such as buttons, forms, and images were styled to create an aesthetically pleasing and user-friendly interface.
- **JavaScript and jQuery:** JavaScript and jQuery were used to add interactive elements like the sliding carousel for courses. The goal was to create smooth animations and transitions, enhancing the user experience by making the website more engaging.
- **Responsive Design:** Using Flexbox and media queries, the page was built to be responsive, adapting its layout to various screen sizes.
- **Cross-browser Compatibility:** The landing page was tested in multiple browsers (Chrome, Firefox, Safari, and Edge) to ensure that it behaves consistently across them. CSS resets were used to eliminate default styling inconsistencies, and vendor prefixes were added where necessary.