**PROJECT TITLE**

WEB TECHNOLOGY PROJECT REPORT

SUBMITTED TO MANIPAL ACADEMY OF HIGHER EDUCATION, MANIPAL



**By**

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**WEBPAGE TITLE (for each student)**

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1. **Bootstrap**

Bootstrap is a open-source framework for creating responsive web pages. It provides a set of pre-designed components and styles that can be easily combined into web projects.

One of the advantage of bootstrap is its customizability. it provides default

styles and components, developers can easily modify or override them to match

specific design requirements.

Following are the bootstrap concept that I used in the code:

**Bootstrap CSS Link :**

Link includes bootstrap css file from a CDN(Content Delivery Network), and it provides pre-defined styles for various HTML element.

* **Container :**

The standard container class creates a responsive fixed-width container. It is suitable for most content and keeps a consistent width on various screen sizes.

* **Cards:**

Bootstrap cards are a flexible and extensible content container in the Bootstrap framework. They are a versatile way to present various types of content, such as text, images, links, and more, in a visually appealing and organized manner. Bootstrap cards are designed to be responsive and can easily adapt to different screen sizes.

Major Classes used:

* Bootstrap grid classes(class="p-5", col-md p-5)

* **Image and Text:**

Cards can contain images, text, or a combination of both. This flexibility makes them suitable for displaying a wide range of content, from simple text information to complex media-rich elements.

**Responsive Design :**

Bootstrap cards are designed to be responsive, meaning they can adjust their size and layout based on the screen size, making them suitable for use in mobile and desktop environments.

1. **Responsive Design Concepts**

Responsive design is a concept in web development that ensures a website adapts and functions well on various devices and screen sizes, including desktops, tablets, and mobile phones.

* max-width: 100% on images, they are prevented from overflowing their parent containers and remain proportionate to the screen size.
* <meta name="viewport"> tag in the HTML head allows us to control the viewport's width and it scale on different devices.

Responsive design is a web development approach that ensures websites adapt seamlessly to various screen sizes and devices, offering optimal user experiences through flexible layouts and media queries.