



SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore – 641 107

An Autonomous Institution

Accredited by NBA – AICTE and Accredited by NAAC – UGC with ‘A’ Grade
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING-IOT Including CS&BCT

**COURSE NAME : 19SB602 FULL STACK DEVELOPMENT FOR NEXT
GENERATION IOT**

III YEAR / VI SEMESTER

Unit II- FRONT-END MODULES

Topic : Bootstrap Themes, Bootstrap CSS



Bootstrap themes refer to **pre-designed collections of styles, layouts, and components** built on top of the Bootstrap framework.

Bootstrap themes enhance the design and functionality of websites by providing **ready-made templates** that developers can **easily customize and integrate** into their projects.

Bootstrap themes are **valuable resources for web developers**, offering a convenient way to **create visually appealing, responsive, and functional websites** with minimal effort.



Bootstrap themes typically include:

1. Design Elements
2. Layouts
3. Components
4. JavaScript Plugins
5. Customization Options
6. Documentation
7. Support



1. Design Elements

They come with **predefined typography, color schemes, and spacing** to **maintain consistency** in design across different pages of a website or web application.

2. Layouts

Bootstrap themes offer **various layout options** such as **grid systems, navigation bars, sidebars, and footers**.

These layouts are designed to be **responsive, ensuring that the website looks good and functions well** on different screen sizes and devices.



3. Components

They include a **wide range of customizable components** such as buttons, forms, dropdowns, modals, tabs, and accordions.

4. JavaScript Plugins

Many Bootstrap themes come with **built-in integration** with popular JavaScript plugins like sliders, carousels, lightboxes, and tooltips.



5. Customization Options

Bootstrap themes often provide options for **customization, allowing developers to easily adjust colors, fonts, and other design** elements to match their branding or aesthetic preferences.

6. Documentation

High-quality Bootstrap themes are accompanied by **comprehensive documentation that guides developers** on how to use the theme, customize it, and integrate it into their projects effectively.



7. Support

Some Bootstrap themes come with **dedicated support channels** such as **forums, ticketing systems, or email support**, where developers can seek assistance or ask questions related to the theme.



SB ADMIN ²

- Dashboard
- Components
- Utilities
- Pages
- Charts
- Tables

Search for:

Generate Report

Dashboard

EARNINGS (MONTHLY)
\$40,000

EARNINGS (ANNUAL)
\$215,000

TASKS
50%

REVENUE SOURCES
18

Earnings Overview

Month	Earnings (\$)
Jan	5000
Feb	10000
Mar	8000
Apr	15000
May	10000
Jun	20000
Jul	15000
Aug	25000
Sep	20000
Oct	30000
Nov	35000

Revenue Sources

Source	Percentage
Direct	~55%
Social	~25%
Referral	~20%

Projects

Project	Progress
Server Migration	20%
Sales Tracking	40%
Customer Database	80%
Payment Details	30%

Illustrations



```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Bootstrap Themes Example</title>
  <!-- Bootstrap CSS -->
  <link
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootst
rap.min.css" rel="stylesheet">
</head>
<body>
```



```
<!-- Navigation Bar -->
```

```
<nav class="navbar navbar-expand-lg navbar-dark bg-dark">  
  <a class="navbar-brand" href="#">Bootstrap Themes</a>  
  <button class="navbar-toggler" type="button" data-toggle="collapse"  
data-target="#navbarSupportedContent" aria-  
controls="navbarSupportedContent" aria-expanded="false" aria-  
label="Toggle navigation">  
    <span class="navbar-toggler-icon"></span>  
  </button>
```

```
<div class="collapse navbar-collapse"  
id="navbarSupportedContent">  
  <ul class="navbar-nav mr-auto">
```



```
<li class="nav-item active">
  <a class="nav-link" href="#">Home <span class="sr-
only">(current)</span></a>
</li>
<li class="nav-item">
  <a class="nav-link" href="#">About</a>
</li>
<li class="nav-item">
  <a class="nav-link" href="#">Services</a>
</li>
<li class="nav-item">
  <a class="nav-link" href="#">Contact</a>
</li>
</ul>
</div>
</nav>
```



```
<!-- Content -->
```

```
<div class="container mt-4">
```

```
<div class="card">
```

```
<div class="card-header">
```

```
Featured
```

```
</div>
```

```
<div class="card-body">
```

```
<h5 class="card-title">Special title treatment</h5>
```

```
<p class="card-text">With supporting text below as a natural lead-  
in to additional content.</p>
```

```
<a href="#" class="btn btn-primary">Go somewhere</a>
```

```
</div>
```

```
</div>
```

```
</div>
```



```
<!-- Bootstrap JS (optional, for certain components) -->
<script src="https://code.jquery.com/jquery-
3.5.1.slim.min.js"></script>
<script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.4/dist/umd
/popper.min.js"></script>
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstr
ap.min.js"></script>
</body>
</html>
```



Featured

Special title treatment

With supporting text below as a natural lead-in to additional content.

[Go somewhere](#)



Bootstrap CSS

Bootstrap CSS is a **popular front-end framework** for building responsive and mobile-first websites.

It provides a set of **pre-designed CSS classes and JavaScript plugins** to help developers create consistent and visually appealing web layouts with ease.

Features and components of Bootstrap CSS

Grid System

Bootstrap offers a responsive grid system that allows developers to create layouts with up to **12 columns across** different screen sizes, making it easy to achieve responsive designs.



Typography: Bootstrap provides **styles for headings, paragraphs, lists, and other typographic elements** to maintain **consistency and readability** across the website.

Buttons: Bootstrap includes **styles for various button types, sizes, and states**, making it simple to create attractive and interactive buttons for your website.

Forms: Bootstrap offers styles for form elements **like inputs, selects, checkboxes, and radio buttons**, as well as form validation styles and feedback icons.



Navbar: Bootstrap provides a customizable navbar component that can be **easily configured with different layouts, styles, and responsive behaviors.**

Utilities: Bootstrap includes a variety of utility **classes for spacing, alignment, visibility, and more**, allowing developers to quickly adjust layout and appearance without writing custom CSS.

Components: Bootstrap offers **numerous UI components such as modals, tooltips, carousels, and dropdowns**, which can be easily integrated into your website to enhance functionality and user experience.



Any Query?????

Thank you.....