

Wd – Framework

Theory Assignment :

1. Why is responsive design important for WordPress websites?

Responsive design is important because:

- It makes the website work well on mobile, tablet, and desktop
- Improves user experience
- Helps with SEO (Google prefers mobile-friendly sites)
- Reduces bounce rate
- No need to create separate mobile websites

2. Difference between Bootstrap and Tailwind CSS

Bootstrap

Component-based framework

Pre-designed components (buttons, cards, navbar)

Faster for beginners

Uses predefined classes

Heavier file size

Bootstrap = quick & easy

Tailwind = more control & custom design

Tailwind CSS

Utility-first framework

No ready components

More flexible & customizable

Uses utility classes like flex, p-4, text-center

Lightweight when optimized

3. Process of integrating Bootstrap or Tailwind into a WordPress theme

Steps:

1. Download Bootstrap/Tailwind or use CDN
2. Add CSS & JS files using functions.php
3. Apply framework classes in theme files (header.php, index.php)
4. Test responsiveness on different devices

Practical Assignment

1.Responsive Header : Customize your wordpress theme's header to be responsive using either Bootstrap or Tailwind.

```
<nav class="navbar navbar-expand-lg navbar-dark bg-dark">
```

```
<div class="container">
```

```
<a class="navbar-brand" href="<?php echo home_url(); ?>">
```

```
MyWebsite
```

```
</a>
```

```
<button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarMenu">
```

```
<span class="navbar-toggler-icon"></span>
```

```
</button>
```

```
<div class="collapse navbar-collapse" id="navbarMenu">
```

```
<ul class="navbar-nav ms-auto">
  <li class="nav-item"><a class="nav-link" href="#">Home</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>

</div>
</nav>
```

2.Custom CSS : Create a responsive two-column layout on the homepage using either Bootstrap or Tailwind.

```
<div class="container mt-5">
```

```
<div class="row">
```

```
<div class="col-md-6">
```

```
<h3>Left Column</h3>
```

```
<p>
```

This section contains content for the left side.

```
</p>
```

```
</div>
```

```
<div class="col-md-6">
```

```
<h3>Right Column</h3>
```

<p>

This section contains content for the right side.

</p>

</div>

</div>

</div>