

## **MODULE: 5 (jQuery Basic, Effects & Advanced)**

### **1. What is jQuery?**

- jQuery is a lightweight, "write less, do more", JavaScript library.
- The purpose of jQuery is to make it much easier to use JavaScript on your website.
- jQuery takes a lot of common tasks that require many lines of JavaScript code to accomplish, and wraps them into methods that you can call with a single line of code.
- jQuery also simplifies a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.

### **2. How to Apply CSS Using JQuery, How to Add Class and Remove Class in JQuery, JQuery Animation?**

- `addClass()` - Adds one or more classes to the selected elements
- `removeClass()` - Removes one or more classes from the selected elements
- `toggleClass()` - Toggles between adding/removing classes from the selected elements
- `css()` - Sets or returns the style attribute
- `animate()` - method is used to create custom animations.

### **3. How to create slider with animation?**

- First decide the plugin we have to use there are many plugins are available I have used slick slider to create the slider.
- Update the css which we want to apply.
- Add jQuery files and Javascript files.

- Add the boxes or images which we want to add in slider.
- After add below script.

```
<script type="text/javascript">
  $(document).on('ready', function () {
    $(".center").slick({
      dots: true,
      infinite: true,
      centerMode: true,
      slidesToShow: 5,
      autoplay: true,
      slidesToScroll: 3,
      pauseOnFocus: false,
      pauseOnHover: false,
      responsive: [
        {
          breakpoint: 768,
          settings: {
            arrows: false,
            centerMode: true,
            centerPadding: '40px',
            slidesToShow: 2,
            slidesToScroll: 3,
            infinite: true,
            autoplay: true,
            pauseOnFocus: false,
            pauseOnHover: false
          }
        }
      ]
    });
  });
</script>
```