### **Experiment 3: UIKit Experiment – Interface Builder Basics**

### **Objective**

1. To create a custom Light Application using **UILabel**, **UIButton and UIImageView and UISwitch** to dynamically update the background color from Light to Dark and vice-versa.
2. To create a rolling Dice Application.
3. **Light App**
   1. Include UI components UIImageView, UIButton and UILabel.
   2. Dynamically change background color from Light to Dark and vice-versa on click of the button.
   3. Also Include Bulb Icons to visualise Bulb-on and Bulb-off for Light mode and Dark mode respectively.
4. **Dice Rolling Mechanism**
   1. Implement a button to roll a virtual dice.
   2. Display a random number between 1 and 6 (for a standard six-sided dice).
   3. Display the value displayed by the Dice separately.
   4. Also add Gesture to the application.