

# **Flutter Advance Training**

Day - 1	Day - 2
<ul> <li>What is Flutter?</li> <li>What makes Flutter unique?</li> <li>Features of Flutter</li> <li>Advantage of Flutter</li> <li>Disadvantages of Flutter</li> <li>Disadvantages of Flutter</li> <li>History of Flutter</li> <li>Prerequisite</li> <li>Audience</li> <li>Problems</li> <li>System requirements for Windows</li> <li>Install Git Install the Flutter SDK</li> </ul>	<ul> <li>Pointers</li> <li>Data Type</li> <li>Variables and Functions</li> <li>Variables and Functions</li> <li>Operators</li> <li>Decision Making and Loops</li> <li>Decision Making and Loops</li> <li>Comments</li> <li>Continue and Break</li> <li>Final and Const Keyword</li> <li>Final and Const Keyword</li> <li>Object-Oriented Programming</li> <li>Android Studio</li> <li>IntelliJ Idea</li> <li>State Management Widget</li> <li>State Management Widget</li> <li>Codemagic</li> </ul>
<ul> <li>Flutter Engine</li> <li>Foundation Library</li> <li>Widgets</li> <li>Design Specific Widgets</li> <li>Gestures</li> <li>State Management</li> </ul>	<ul> <li>Layout a widget</li> <li>Types of Layout Widgets</li> <li>Multiple Child widgets</li> <li>Building Complex Layout</li> </ul>

## Day - 3

o Why do we need a container widget in Flutter?

o Properties of Container widget

o Key Points

o Row Widget

o Column

- Flutter Rich Text Widget
- o How to retrieve the value of a Text Field?
- o How to make Text Field expandable?
- o How to control the size of Text Field value?

How to obscure text field value?

# Features of ButtonsTypes of Flutter Buttons

Flutter Card Properties

Key Points Related to Stack Widget How to use a stack widget in Flutter? Properties of the Stack Widget Flutter Indexed Stack

Creating Form Form validation

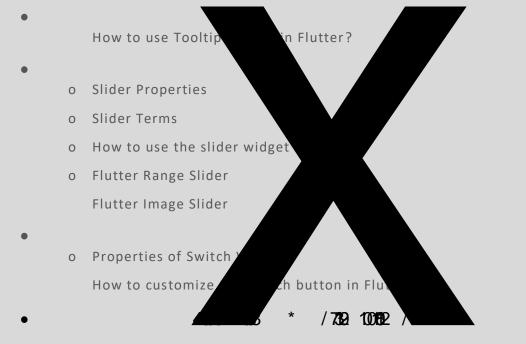
Properties of Alert Dialog Basic Alert Dialog Text Field Alert Dialog Confirmation Alert Dialog Select Option Alert Dialog

How to display the image in Flutter Display images from the internet Display Fade-In Images From asset bundle

## Day - 4

- o Linear Progress indicator
- o Circular Progress Indicator

o SnackBar Properties



### Day - 5

#### Day - 6

Create two routes

Navigate to the second route using Navigator.push() method

Return to the first route using Navigator.pop() method

Navigation with Named Routes

URL Launcher Permissions Working with contacts Taking pictures with the camera

Firebase Intro Project setup Flutter authentication Anonymous authentication Google authentication Firebase Storage Firebase real time database Firebase database set vs update Firebase database find and findrange

Opacity Rotated Box Box Decoration Transformations Custom Painter Flutter

Types of Packages Develop a Flutter Package or Plugin How to Publish a Package

Splash Screen Characteristics

Why use Google Maps with Flutter? How to change the map appearance? How to add a marker on the map? Polylines

How to use slivers? What is CustomScrollView? SliverAppBar Properties of SliverAppBar Sliver List Sliver Grid SliverFixedExtentList and SliverToBoxAdapter

SQLite Database Firebase storage and database Firebase Storage Firebase real time database Firebase database set vs update Firebase database find and find range

Unit Testing Widget Testing Integration Testing Introduction to Widget Testing