

# Gmuu! u n e u!

Day - 1	Day - 2	
FLUTTER - INTRODUCTION	FLUTTER – INTRODUCTION TO DART     PROGRAMMING	FLUT  O  FLUT  O  FLUT
FLUTTER - INSTALLATION	FLUTTER - INTRODUCTION TO WIDGETS  o Types of Widget  o State Management Widget	0 0
• FLUTTER - ARCHITECTURE OF FLUTTER APPLICATION  Flutter Engine Foundation Library Widgets Design Specific Widgets Gestures State Management	FLUTTER - INTRODUCTION TO LAYOUTS  o Layout a widget  o Types of Layout Widgets  o Multiple Child widgets  o Building Complex Layout	

## FLUTTER – INTRODUCTION TO GESTURES

- o Pointers
- o Gestures

#### **FLUTTER - STATE MANAGEMENT**

- o What is State?
- o Ephemeral State
- o App State

## FLUTTER - IDE

- o Android Studio
- o IntelliJIdea
- o Visual Studio Code
- o Emacs (Dart Mode)
- o Codemagic

- FLUTTER SCAFFOLD
- FLUTTER CONTAINER
  - o Why do we need a container widget in Flutter?
  - o Properties of Container widget
- FLUTTER ROW & COLUMN
  - o Key Points
  - o Row Widget
  - o Column
- FLUTTER TEXT

Flutter Rich Text Widget

- FLUTTER TEXTFIELD
  - 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?

- FLUTTER BUTTONS
  - o Features of Buttons

Types of Flutter Buttons

• FLUTTER - CARD

Flutter Card Properties

#### FLUTTER - STACK

Key Points Related to Stack Widget
How to use a stack widget in Flutter?

Properties of the Stack Widget

Flutter Indexed Stack

• FLUTTER - FORMS

**Creating Form** 

Form validation

• FLUTTER - ALERTDIALOG

Properties of Alert Dialog

Basic Alert Dialog

Text Field Alert Dialog

Confirmation Alert Dialog

Select Option Alert Dialog

• FLUTTER - IMAGES

How to display the image in Flutter

Display images from the internet

Display Fade-In Images

From asset bundle

- FLUTTER TABBAR
- FLUTTER DRAWER

Create a Flutter Project.

Add drawer in scaffold widget

Populate the drawer by adding content

Close the drawer.

FLUTTER – LISTS

**Basic Lists** 

**Working with Long Lists** 

**Creating a Grid Lists** 

**Creating a Horizontal List** 

FLUTTER - GRIDVIEW

GridView.count()

GridView.builder()

GridView.extent()

- FLUTTER TOAST
- FLUTTER CHECKBOX
- FLUTTER RADIO BUTTON

## FLUTTER – PROGRESS BAR

- o Linear Progress indicator
- o Circular Progress Indicator

#### FLUTTER – SNACKBAR

o SnackBar Properties

#### FLUTTER – TOOLTIP

How to use Tooltip Widget in Flutter?

#### FLUTTER – SLIDER

- o Slider Properties
- o Slider Terms
- o How to use the slider widget in Flutter?
- o Flutter Range Slider

Flutter Image Sider

#### • FLUTTER – SWITCH

o Properties of Switch Widget

How to customize the Switch button in Flutter?

#### FLUTTER – CHARTS

Supported Chart Types in Flutter

Line Chart

Bar Chart

Pie or Donut Chart

## LUTTER – BOTTOM NAVIGATION BAR

Properties of the BottomNavigationBar Widget

## FLUTTER – THEMES

By creating a unique Theme Data

By extending the parent theme

How to use a Theme

#### FLUTTER – TABLE

When we use the Table widget?

Flutter Data Table

## FLUTTER – CALENDAR

#### FLUTTER – ANIMATION

Tween Animation

Physics based Animation

**Curved Animation** 

Hero Animation