

Department of Computer Engineering

01CE0610 – APP DEVLOPMENT USING FLUTTER

Experiment 05

AIM:- Create and application with Flutter UI Components.

Source :- Mai.dart

Code:-

```
import 'package:flutter/material.dart';
void main() {
runApp(const MyApp());
class MyApp extends StatelessWidget {
 const MyApp({super.key});
 @override
 Widget build(BuildContext context) {
  return MaterialApp(
   debugShowCheckedModeBanner: false,
   home: const FancyLoginScreen(),
class FancyLoginScreen extends StatefulWidget {
 const FancyLoginScreen({super.key});
 @override
State<FancyLoginScreen> createState() => _FancyLoginScreenState();
class _FancyLoginScreenState extends State<FancyLoginScreen> {
 final TextEditingController emailController = TextEditingController();
 final TextEditingController passwordController = TextEditingController();
bool showPassword = false;
 @override
 Widget build(BuildContext context) {
  return Scaffold(
   body: Stack(
```



Department of Computer Engineering

01CE0610 – APP DEVLOPMENT USING FLUTTER

```
children: [
 // Gradient Background
 Container(
  decoration: const BoxDecoration(
   gradient: LinearGradient(
    colors: [Colors.deepPurple, Colors.pinkAccent],
    begin: Alignment.topLeft,
    end: Alignment.bottomRight,
  ),
 ),
 // Login Form
 Center(
  child: Padding(
   padding: const EdgeInsets.all(24.0),
   child: Container(
    padding: const EdgeInsets.all(24.0),
    decoration: BoxDecoration(
      color: Colors.white.withOpacity(0.9),
      borderRadius: BorderRadius.circular(25),
      boxShadow: [
       BoxShadow(
        color: Colors.black26,
        blurRadius: 15,
        spreadRadius: 2,
       ),
      ],
    child: Column(
      mainAxisSize: MainAxisSize.min,
      children: [
       const Text(
        "Welcome!",
        style: TextStyle(
         fontSize: 28,
         fontWeight: FontWeight.bold,
         color: Colors.deepPurple,
        ),
       ),
       const SizedBox(height: 10),
       const Text(
        "Login to continue",
        style: TextStyle(fontSize: 16, color: Colors.black54),
       const SizedBox(height: 20),
       // Email Field
```



Department of Computer Engineering

01CE0610 – APP DEVLOPMENT USING FLUTTER

```
TextField(
 controller: emailController,
 decoration: InputDecoration(
  labelText: "Email Address",
  prefixIcon: const Icon(Icons.email, color: Colors.deepPurple),
  border: OutlineInputBorder(
   borderRadius: BorderRadius.circular(15),
  ),
 ),
 keyboardType: TextInputType.emailAddress,
const SizedBox(height: 15),
// Password Field with Show/Hide Toggle
TextField(
 controller: passwordController,
 obscureText: !showPassword,
 decoration: InputDecoration(
  labelText: "Password",
  prefixIcon: const Icon(Icons.lock, color: Colors.deepPurple),
  suffixIcon: IconButton(
   icon: Icon(
     showPassword? Icons.visibility: Icons.visibility_off,
     color: Colors.grey,
   ),
   onPressed: () {
     setState(() {
      showPassword = !showPassword;
     });
   },
  ),
  border: OutlineInputBorder(
   borderRadius: BorderRadius.circular(15),
  ),
 ),
const SizedBox(height: 10),
// Forgot Password Link
 alignment: Alignment.centerRight,
 child: TextButton(
  onPressed: () {},
  child: const Text(
   "Forgot Password?",
   style: TextStyle(color: Colors.pinkAccent),
```



Department of Computer Engineering

01CE0610 – APP DEVLOPMENT USING FLUTTER

```
),
),
const SizedBox(height: 10),
// Login Button with Animation
SizedBox(
 width: double.infinity,
 height: 50,
 child: ElevatedButton(
  onPressed: () {
   String email = emailController.text;
   String password = passwordController.text;
   print('Logging in: Email: $email, Password: $password');
  style: ElevatedButton.styleFrom(
   backgroundColor: Colors.pinkAccent,
   shape: RoundedRectangleBorder(
    borderRadius: BorderRadius.circular(25),
   ),
  ),
  child: const Text(
   "Login",
   style: TextStyle(fontSize: 18, color: Colors.white),
 ),
const SizedBox(height: 15),
// Signup Option
Row(
 mainAxisAlignment: MainAxisAlignment.center,
 children: [
  const Text("Don't have an account?"),
  TextButton(
   onPressed: () {},
   child: const Text(
     "Sign Up",
    style: TextStyle(color: Colors.deepPurple),
```



Department of Computer Engineering

01CE0610 – APP DEVLOPMENT USING FLUTTER

],),); } }

Output:-

