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SARDAR PATEL INSTITUTE OF TECHNOLOGY
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Munshi Nagar, Andheri (W), Mumbai – 400 058.
Department of Computer Science and Engineering

Experiment	4
Aim	Develop an app for TPO Office at SPIT
Objective	• To Create TPO App using UI Component • To Develop SideDrawer Navigation • To Use 60-30-10 rule
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Class	FYMCA
Batch	A
Date of Submission	03.03.25

Technology used	**Flutter**
Task	Develop an app for TPO with the following requirement (Use side navigation drawer) : 1. Registration Form (Name, E-mail id, Contact, Roll no, HSC (Which College, Year of Passing, total, out of, should calculate percentage),SSC marks (Which College, Year of Passing, total, out of, should calculate percentage), Marks in sem 1-5 (CGPA and Percentage), upload Resume, Any Additional Courses). 2. User should be able to view the uploaded Resume. (optional) 3. Company details should be visible to the user. (Name of the company, Location, Range of the salary be given for internship/Placement, Short Profile). 4. Student should be able to view their own details.

Code with proper label	**Main.dart**
	<pre>import 'package:flutter/material.dart';
	import 'package:get/get.dart';
	
	import 'screens/mainScreen.dart';
	
	void main() {
	  runApp(const MyApp());
	}
	
	class MyApp extends StatelessWidget {
	  const MyApp({super.key});
	
	  // This widget is the root of your application.
	  @override
	  Widget build(BuildContext context) {
	    return GetMaterialApp(
	      debugShowCheckedModeBanner: false,
	      title: 'Flutter Demo',
	      theme: ThemeData(
	          primaryColor: Colors.white,
	        useMaterial3: true,
	      ),</pre>

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```
      home: MainScreen(),
    );
  }
}


commonDrawer.dart
import 'dart:io';

import 'package:flutter/material.dart';
import 'package:flutter/services.dart';
import 'package:get/get.dart';
import 'package:lab4/screens/companiesPage.dart';
import 'package:lab4/screens/profilePage.dart';
import 'package:lab4/screens/registerPage.dart';

import '../controllers/registrationController.dart';

class CommonDrawer extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    final FormController formController = Get.put(FormController());
    var isProfileComplete = formController.box.read("isProfileComplete");
    return Drawer(
      child: ListView(
        padding: EdgeInsets.zero,
        children: [
          UserAccountsDrawerHeader(
            decoration: BoxDecoration(
              color: Color(0xff1976D2),
            ),
            accountName: isProfileComplete != null
                ? Text(
                    "Atharva Angre",
                    style: TextStyle(color: Colors.white),
                  )
                : Text(
                    "----- -----",
                    style: TextStyle(color: Colors.white),
                  ),
            accountEmail: isProfileComplete != null
                ? Text(
                    "angreatharva08@gmail.com",
                    style: TextStyle(color: Colors.white),
                  )
                : Text(
                    "-----@gmail.com",
                    style: TextStyle(color: Colors.white),
                  ),
            currentAccountPicture:
            isProfileComplete != null
                ? CircleAvatar(
                    radius: 100,
                    backgroundImage: FileImage(
                        File(formController.box.read("profileImage"))),
                  )
                : CircleAvatar(
                radius: 100,
                backgroundColor: Colors.grey[200], // Background color for default
```
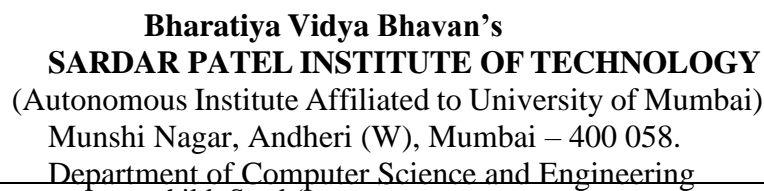
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```dart
                child: Stack(
                  alignment: Alignment.center,
                  children: [
                    Icon(
                      Icons.person, // Default icon
                      size: 50,
                      color: Colors.grey[700], // Icon color
                    ),
                  ],
                ),
              ),
            ),
          ListTile(
            leading: Icon(Icons.home),
            title: Text("Companies"),
            onTap: () {
              Get.back();
              Get.to(CompaniesPage());
            }),
          ListTile(
            leading: Icon(Icons.person),
            title: Text("Profile"),
            onTap: () {
              Get.back();
              Get.to(ProfilePage());
            }),
          ListTile(
            leading: Icon(Icons.app_registration_rounded),
            title: Text("Register"),
            onTap: () {
              Get.back();
              Get.to(RegisterPage());
            }),
          Divider(),
          ListTile(
            leading: Icon(Icons.logout),
            title: Text("Exit App"),
            onTap: () {
              SystemNavigator.pop();
            },
          ),
        ],
      ),
    );
  }
}
```

RegistrationController.dart
```dart
import 'package:file_picker/file_picker.dart';
import 'package:flutter/material.dart';
import 'package:get/get.dart';
import 'package:get_storage/get_storage.dart';
import 'package:permission_handler/permission_handler.dart';

class FormController extends GetxController {

  @override
  void onInit() {
    // TODO: implement onInit
```

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```
  super.onInit();
  profileImagePath.value = box.read("profileImage") ?? ";
  selectedFilePath.value = box.read("resume") ?? ";
  requestPermissions();
 }
var selectedFilePath = "".obs;
var profileImagePath = "".obs;
var isPdf = false.obs;
var isImage = false.obs;
var isProfileComplete = false.obs;

Future<void> requestPermissions() async {
  await Permission.storage.request();
 }

Future<void> pickFile() async {
  FilePickerResult? result = await FilePicker.platform.pickFiles(
    allowCompression: true,
    type: FileType.custom,
    allowedExtensions: ['pdf', 'jpg', 'jpeg', 'png'],
  );

  if (result != null && result.files.single.path != null) {
    selectedFilePath.value = result.files.single.path!;
    String fileExtension = result.files.single.extension?.toLowerCase() ?? "";

    isPdf.value = fileExtension == 'pdf';
    isImage.value = ['jpg', 'jpeg', 'png'].contains(fileExtension);
  }
}

Future<void> pickProfileImage() async {
  FilePickerResult? result = await FilePicker.platform.pickFiles(
    allowCompression: true,
    type: FileType.image,
  );

  if (result != null && result.files.single.path != null) {
    profileImagePath.value = result.files.single.path!;
  }
}

final box = GetStorage();

Rx<TextEditingController> name = TextEditingController().obs;
Rx<TextEditingController> emailId = TextEditingController().obs;
Rx<TextEditingController> phoneNumber = TextEditingController().obs;
Rx<TextEditingController> ucid = TextEditingController().obs;

Rx<TextEditingController> collegeNameGraduation =
TextEditingController().obs;
Rx<TextEditingController> sem1 = TextEditingController().obs;
Rx<TextEditingController> sem2 = TextEditingController().obs;
Rx<TextEditingController> sem3 = TextEditingController().obs;
Rx<TextEditingController> sem4 = TextEditingController().obs;
Rx<TextEditingController> sem5 = TextEditingController().obs;
Rx<TextEditingController> sem6 = TextEditingController().obs;
Rx<TextEditingController> CGPA = TextEditingController().obs;
Rx<TextEditingController> percentageGraduation =
```

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```
TextEditingController().obs;

  Rx<TextEditingController> collegeNameSSC = TextEditingController().obs;
  Rx<TextEditingController> yearOfPassingSSC = TextEditingController().obs;
  Rx<TextEditingController> marksObtainedSSC = TextEditingController().obs;
  Rx<TextEditingController> totalMarksSSC = TextEditingController().obs;
  Rx<TextEditingController> percentageSSC = TextEditingController().obs;

  Rx<TextEditingController> collegeNameHSC = TextEditingController().obs;
  Rx<TextEditingController> yearOfPassingHSC = TextEditingController().obs;
  Rx<TextEditingController> marksObtainedHSC = TextEditingController().obs;
  Rx<TextEditingController> totalMarksHSC = TextEditingController().obs;
  Rx<TextEditingController> percentageHSC = TextEditingController().obs;


  var nameError = ''.obs;
  var emailIdError = ''.obs;
  var phoneNumberError = ''.obs;
  var ucidError = ''.obs;

  var collegeNameErrorGraduation= ''.obs;
  var sem1Error= ''.obs;
  var sem2Error= ''.obs;
  var sem3Error= ''.obs;
  var sem4Error= ''.obs;
  var sem5Error= ''.obs;
  var sem6Error= ''.obs;
  var CGPAError= ''.obs;
  var percentageError= ''.obs;


  var collegeNameErrorSSC = ''.obs;
  var yearOfPassingErrorSSC = ''.obs;
  var marksObtainedErrorSSC = ''.obs;
  var totalMarksErrorSSC = ''.obs;
  var percentageErrorSSC = ''.obs;

  var collegeNameErrorHSC= ''.obs;
  var yearOfPassingErrorHSC = ''.obs;
  var marksObtainedErrorHSC = ''.obs;
  var totalMarksErrorHSC = ''.obs;
  var percentageErrorHSC = ''.obs;


  void validateName(String value) {
   if (value.isEmpty) {
    nameError.value = 'Name is required';
   } else if (value.length < 2) {
    nameError.value = 'Name must be at least 2 characters';
   } else if (!RegExp(r'^[a-zA-Z\s]+$').hasMatch(value)) {
    nameError.value = 'Name can only contain letters';
   } else {
    nameError.value = '';
   }
  }

  void validateEmail(String value) {
   if (value.isEmpty) {
    emailIdError.value = 'Email is required';
```

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```
      } else if (!GetUtils.isEmail(value)) {
       emailIdError.value = 'Please enter a valid email address';
      } else {
       emailIdError.value = '';
      }
    }

    void validatePhoneNumber(String value) {
     if (value.isEmpty) {
      phoneNumberError.value = 'Phone number is required';
     } else if (value.length != 10) {
      phoneNumberError.value = 'Phone number must be exactly 10 digits';
     } else if (!RegExp(r'^[0-9]+$').hasMatch(value)) {
      phoneNumberError.value = 'Phone number can only contain digits';
     } else {
      phoneNumberError.value = '';
     }
    }

    void validateUCID(String value) {
     if (value.isEmpty) {
      ucidError.value = 'UCID is required';
     } else if (value.length != 10) {
      ucidError.value = 'UCID must be exactly 10 digits';
     } else if (!RegExp(r'^[0-9]+$').hasMatch(value)) {
      ucidError.value = 'UCID can only contain digits';
     } else {
      ucidError.value = '';
     }
    }

    void validateCollegeNameGraduation(String value) {
     if (value.isEmpty) {
      collegeNameErrorGraduation.value = 'College Name is required';
     } else if (value.length < 2) {
      collegeNameErrorGraduation.value = 'College Name must be at least 2
characters';
     } else if (!RegExp(r'^[a-zA-Z]+$').hasMatch(value)) {
      collegeNameErrorGraduation.value = 'College Name can only contain
letters';
     } else {
      collegeNameErrorGraduation.value = '';
     }
    }

    void validateSem1(String value) {
     if (value.isEmpty) {
      sem1Error.value = 'Sem1 are required';
     } else {
      sem1Error.value = '';
     }
    }
    void validateSem2(String value) {
     if (value.isEmpty) {
      sem2Error.value = 'Sem2 are required';
     } else {
      sem2Error.value = '';
     }
    }
```

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```
void validateSem3(String value) {
 if (value.isEmpty) {
  sem3Error.value = 'Sem3 are required';
 } else {
  sem3Error.value = ";
 }
}
void validateSem4(String value) {
 if (value.isEmpty) {
  sem4Error.value = 'Sem4 are required';
 } else {
  sem4Error.value = ";
 }
}
void validateSem5(String value) {
 if (value.isEmpty) {
  sem5Error.value = 'Sem5 are required';
 } else {
  sem5Error.value = ";
 }
}
void validateSem6(String value) {
 if (value.isEmpty) {
  sem6Error.value = 'Sem6 are required';
 } else {
  sem6Error.value = ";
 }
}
void validateCGPA() {
  double percentage = (double.parse(sem1.value.text) +
double.parse(sem2.value.text) + double.parse(sem3.value.text) +
double.parse(sem4.value.text) + double.parse(sem5.value.text) +
double.parse(sem6.value.text)) / 6;
  CGPA.value.text = percentage.toStringAsFixed(2);
  print("CGPA: ${CGPA.value.text}");
}
void calculatePercentageGraduation() {
  double percentage =(7.1 *
    (double.parse(sem1.value.text) + double.parse(sem2.value.text) +
double.parse(sem3.value.text) + double.parse(sem4.value.text) +
double.parse(sem5.value.text) + double.parse(sem6.value.text)) / 6
  +(11))
  ;
  percentageGraduation.value.text = percentage.toStringAsFixed(2);
  print("percentageGraduation : ${percentageGraduation.value.text}");
}

void validateCollegeNameSSC(String value) {
 if (value.isEmpty) {
  collegeNameErrorSSC.value = 'College Name is required';
 } else if (value.length < 2) {
  collegeNameErrorSSC.value = 'College Name must be at least 2 characters';
 } else if (!RegExp(r"^[a-zA-Z\s.']+$").hasMatch(value)) {
  collegeNameErrorSSC.value = 'College Name can only contain letters';
 } else {
  collegeNameErrorSSC.value = ";
 }
}
```

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```
void validateYearOfPassingSSC(String value) {
 if (value.isEmpty) {
  yearOfPassingErrorSSC.value = 'Year of Passing is required';
 } else {
  yearOfPassingErrorSSC.value = ';
 }
}

void validateMarksObtainedSSC(String value) {
 if (value.isEmpty) {
  marksObtainedErrorSSC.value = 'Marks Obtained is required';
 }else if (!RegExp(r'^[0-9]+$').hasMatch(value)) {
  marksObtainedErrorSSC.value = 'Marks Obtained can only contain digits';
 } else {
  marksObtainedErrorSSC.value = ';
 }
}

void validateTotalMarksSSC(String value) {
 if (value.isEmpty) {
  totalMarksErrorSSC.value = 'Total Marks is required';
 }else if (!RegExp(r'^[0-9]+$').hasMatch(value)) {
  totalMarksErrorSSC.value = 'Total Marks can only contain digits';
 } else {
  totalMarksErrorSSC.value = ';
 }
}

void calculatePercentageSSC() {
  double percentage = (double.parse(marksObtainedSSC.value.text) /
double.parse(totalMarksSSC.value.text)) * 100;
  percentageSSC.value.text = percentage.toStringAsFixed(2);
  print("percentageSSC: ${percentageSSC.value.text}");
}

void validateCollegeNameHSC(String value) {
 if (value.isEmpty) {
  collegeNameErrorHSC.value = 'College Name is required';
 } else if (value.length < 2) {
  collegeNameErrorHSC.value = 'College Name must be at least 2 characters';
 } else if (!RegExp(r"^[a-zA-Z\s.']+$").hasMatch(value)) {
  collegeNameErrorHSC.value = 'College Name can only contain letters';
 } else {
  collegeNameErrorHSC.value = ';
 }
}

void validateYearOfPassingHSC(String value) {
 if (value.isEmpty) {
  yearOfPassingErrorHSC.value = 'Year of Passing is required';
 } else {
  yearOfPassingErrorHSC.value = ';
 }
}

void validateMarksObtainedHSC(String value) {
 if (value.isEmpty) {
  marksObtainedErrorHSC.value = 'Marks Obtained is required';
```

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```
      }else if (!RegExp(r'^[0-9]+$').hasMatch(value)) {
        marksObtainedErrorHSC.value = 'Marks Obtained can only contain digits';
      } else {
        marksObtainedErrorHSC.value = '';
      }
    }

    void validateTotalMarksHSC(String value) {
      if (value.isEmpty) {
        totalMarksErrorHSC.value = 'Total Marks is required';
      }else if (!RegExp(r'^[0-9]+$').hasMatch(value)) {
        totalMarksErrorHSC.value = 'Total Marks can only contain digits';
      } else {
        totalMarksErrorHSC.value = '';
      }
    }

    void calculatePercentageHSC() {
      double percentage = (double.parse(marksObtainedHSC.value.text) /
    double.parse(totalMarksHSC.value.text)) * 100;
      percentageHSC.value.text = percentage.toStringAsFixed(2);
      print("percentageHSC: ${percentageHSC.value.text}");
    }


    void validateAllFields() {
      validateName(name.value.text);
      validateEmail(emailId.value.text);
      validatePhoneNumber(phoneNumber.value.text);
      validateUCID(ucid.value.text);
      validateCollegeNameGraduation(collegeNameGraduation.value.text);
      validateSem1(sem1.value.text);
      validateSem2(sem2.value.text);
      validateSem3(sem3.value.text);
      validateSem4(sem4.value.text);
      validateSem5(sem5.value.text);
      validateSem6(sem6.value.text);
      validateCGPA();
      calculatePercentageGraduation();
      validateCollegeNameSSC(collegeNameSSC.value.text);
      validateYearOfPassingSSC(yearOfPassingSSC.value.text);
      validateMarksObtainedSSC(marksObtainedSSC.value.text);
      validateTotalMarksSSC(totalMarksSSC.value.text);
      calculatePercentageSSC();
      validateCollegeNameHSC(collegeNameHSC.value.text);
      validateYearOfPassingHSC(yearOfPassingHSC.value.text);
      validateMarksObtainedHSC(marksObtainedHSC.value.text);
      validateTotalMarksHSC(totalMarksHSC.value.text);
      calculatePercentageHSC();
    }

    bool isFormValid() {
      return nameError.isEmpty &&
          emailIdError.isEmpty &&
          phoneNumberError.isEmpty &&
          ucidError.isEmpty &&
          collegeNameErrorGraduation.isEmpty &&
          sem1Error.isEmpty &&
          sem2Error.isEmpty &&
```

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```
      sem3Error.isEmpty &&
      sem4Error.isEmpty &&
      sem5Error.isEmpty &&
      sem6Error.isEmpty &&
      CGPAError.isEmpty &&
      percentageError.isEmpty &&
      collegeNameErrorSSC.isEmpty &&
      yearOfPassingErrorSSC.isEmpty &&
      marksObtainedErrorSSC.isEmpty &&
      totalMarksErrorSSC.isEmpty &&
      percentageErrorSSC.isEmpty &&
      collegeNameErrorHSC.isEmpty &&
      yearOfPassingErrorHSC.isEmpty &&
      marksObtainedErrorHSC.isEmpty &&
      totalMarksErrorHSC.isEmpty &&
      percentageErrorHSC.isEmpty &&
      name.value.text.isNotEmpty &&
      emailId.value.text.isNotEmpty &&
      phoneNumber.value.text.isNotEmpty &&
      ucid.value.text.isNotEmpty &&
      collegeNameGraduation.value.text.isNotEmpty &&
      sem1.value.text.isNotEmpty &&
      sem2.value.text.isNotEmpty &&
      sem3.value.text.isNotEmpty &&
      sem4.value.text.isNotEmpty &&
      sem5.value.text.isNotEmpty &&
      sem6.value.text.isNotEmpty &&
      CGPA.value.text.isNotEmpty &&
      percentageGraduation.value.text.isNotEmpty &&
      collegeNameSSC.value.text.isNotEmpty &&
      yearOfPassingSSC.value.text.isNotEmpty &&
      marksObtainedSSC.value.text.isNotEmpty &&
      totalMarksSSC.value.text.isNotEmpty &&
      percentageSSC.value.text.isNotEmpty &&
      collegeNameHSC.value.text.isNotEmpty &&
      yearOfPassingHSC.value.text.isNotEmpty &&
      marksObtainedHSC.value.text.isNotEmpty &&
      totalMarksHSC.value.text.isNotEmpty &&
      percentageHSC.value.text.isNotEmpty;
}

void storeFormValues() {

    box.write('name', name.value.text);
    box.write('emailId', emailId.value.text);
    box.write('phoneNumber', phoneNumber.value.text);
    box.write('ucid', ucid.value.text);
    box.write('collegeNameGraduation', collegeNameGraduation.value.text);
    box.write('sem1', sem1.value.text);
    box.write('sem2', sem2.value.text);
    box.write('sem3', sem3.value.text);
    box.write('sem4', sem4.value.text);
    box.write('sem5', sem5.value.text);
    box.write('sem6', sem6.value.text);
    box.write('CGPA', CGPA.value.text);
    box.write('percentageGraduation', percentageGraduation.value.text);
    box.write('collegeNameSSC', collegeNameSSC.value.text);
    box.write('yearOfPassingSSC', yearOfPassingSSC.value.text);
    box.write('marksObtainedSSC', marksObtainedSSC.value.text);
```

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```
      box.write('totalMarksSSC', totalMarksSSC.value.text);
      box.write('percentageSSC', percentageSSC.value.text);
      box.write('collegeNameHSC', collegeNameHSC.value.text);
      box.write('yearOfPassingHSC', yearOfPassingHSC.value.text);
      box.write('marksObtainedHSC', marksObtainedHSC.value.text);
      box.write('totalMarksHSC', totalMarksHSC.value.text);
      box.write('percentageHSC', percentageHSC.value.text);
      box.write('profileImage', profileImagePath.value);
      box.write('resume', selectedFilePath.value);
      box.write('isPdf', isPdf.value);
      box.write('isProfileComplete', isProfileComplete.value);


      print('Form data stored successfully!');
    }

    void resetForm() {
      name.value.clear();
      emailId.value.clear();
      phoneNumber.value.clear();
      ucid.value.clear();
      collegeNameGraduation.value.clear();
      sem1.value.clear();
      sem2.value.clear();
      sem3.value.clear();
      sem4.value.clear();
      sem5.value.clear();
      sem6.value.clear();
      CGPA.value.clear();
      percentageGraduation.value.clear();
      collegeNameSSC.value.clear();
      yearOfPassingSSC.value.clear();
      marksObtainedSSC.value.clear();
      totalMarksSSC.value.clear();
      percentageSSC.value.clear();
      collegeNameHSC.value.clear();
      yearOfPassingHSC.value.clear();
      marksObtainedHSC.value.clear();
      totalMarksHSC.value.clear();
      percentageHSC.value.clear();

      nameError.value = '';
      emailIdError.value = '';
      phoneNumberError.value = '';
      ucidError.value = '';
      collegeNameErrorGraduation.value = '';
      sem1Error.value = '';
      sem2Error.value = '';
      sem3Error.value = '';
      sem4Error.value = '';
      sem5Error.value = '';
      sem6Error.value = '';
      CGPAError.value = '';
      percentageError.value = '';
      collegeNameErrorSSC.value = '';
      yearOfPassingErrorSSC.value = '';
      marksObtainedErrorSSC.value = '';
      totalMarksErrorSSC.value = '';
      percentageErrorSSC.value = '';
```

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```
      collegeNameErrorHSC.value = '';
      yearOfPassingErrorHSC.value = '';
      marksObtainedErrorHSC.value = '';
      totalMarksErrorHSC.value = '';
      percentageErrorHSC.value = '';
   }

}


registerPage.dart
import 'dart:io';

import 'package:flutter/material.dart';
import 'package:flutter/services.dart';
import 'package:flutter_pdfview/flutter_pdfview.dart';
import 'package:get/get.dart';
import 'package:lab4/screens/mainScreen.dart';

import '../controllers/registrationController.dart';

class RegisterPage extends StatefulWidget {
  const RegisterPage({super.key});

  @override
  State<RegisterPage> createState() => _RegisterPageState();
}

class _RegisterPageState extends State<RegisterPage> {
  final FormController formController = Get.put(FormController());

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        iconTheme: IconThemeData(color: Colors.white),
        title: Text(
          "Register",
          style: TextStyle(color: Colors.white),
        ),
        backgroundColor: Color(0xff1976D2),
      ),
      body: SingleChildScrollView(
        child: Column(
          children: [
            Container(
              child: Column(
                mainAxisAlignment: MainAxisAlignment.start,
                crossAxisAlignment: CrossAxisAlignment.start,
                spacing: 10,
                children: [
                  Container(
                    padding:
                      EdgeInsets.symmetric(vertical: Get.height * 0.015),
                    child: Text(
                      "Details About you",
                      style: TextStyle(
                        fontWeight: FontWeight.w800, fontSize: 20),
                    )),
```

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```dart
//Name
Container(
  width: Get.width * 0.95,
  child: Column(
    spacing: Get.height * 0.010,
    crossAxisAlignment: CrossAxisAlignment.start,
    children: [
      Text("Name"),
      Focus(
        onFocusChange: (hasFocus) {
          if (!hasFocus) {
            formController
                .validateName(formController.name.value.text);
          }
        },
        child: Obx(
          () => TextFormField(
            controller: formController.name.value,
            onChanged: (value) {
              formController.name.value.value =
                  TextEditingValue(
                text: value,
                selection: TextSelection.collapsed(
                    offset: value.length),
              );
              formController.validateName(value);
            },
            decoration: InputDecoration(
              contentPadding: EdgeInsets.symmetric(
                  horizontal: 16, vertical: 12),
              labelText: 'Please Enter your Name',
              enabledBorder: OutlineInputBorder(
                borderSide: BorderSide(
                  color:
                      formController.nameError.value.isEmpty
                          ? Colors.black
                          : Colors.red,
                  width: 2,
                ),
                borderRadius: BorderRadius.circular(8),
              ),
              focusedBorder: OutlineInputBorder(
                borderSide: BorderSide(
                  color:
                      formController.nameError.value.isEmpty
                          ? Colors.black
                          : Colors.red,
                  width: 1.5,
                ),
                borderRadius: BorderRadius.circular(8),
              ),
              errorBorder: OutlineInputBorder(
                borderSide:
                    BorderSide(color: Colors.red, width: 1.5),
                borderRadius: BorderRadius.circular(8),
              ),
              focusedErrorBorder: OutlineInputBorder(
                borderSide:
```

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```
                BorderSide(color: Colors.red, width: 1.5),
                borderRadius: BorderRadius.circular(8),
              ),
              errorText:
                formController.nameError.value.isEmpty
                  ? null
                  : formController.nameError.value,
              errorStyle: TextStyle(color: Colors.red),
              filled: true,
              fillColor: Colors.white,
            ),
          ),
        ),
      ),
    ],
  ),
),
//Email
Container(
  width: Get.width * 0.95,
  child: Column(
    spacing: Get.height * 0.010,
    crossAxisAlignment: CrossAxisAlignment.start,
    children: [
      Text("Email Id"),
      Focus(
        onFocusChange: (hasFocus) {
          if (!hasFocus) {
            formController.validateEmail(
              formController.emailId.value.text);
          }
        },
        child: Obx(
          () => TextFormField(
            controller: formController.emailId.value,
            onChanged: (value) {
              formController.emailId.value.value =
                TextEditingValue(
                text: value,
                selection: TextSelection.collapsed(
                  offset: value.length),
              );
              formController.validateEmail(value);
            },
            decoration: InputDecoration(
              contentPadding: EdgeInsets.symmetric(
                horizontal: 16, vertical: 12),
              labelText: 'Please Enter your Email Id',
              enabledBorder: OutlineInputBorder(
                borderSide: BorderSide(
                  color: formController
                      .emailIdError.value.isEmpty
                    ? Colors.black
                    : Colors.red,
                  width: 2,
                ),
                borderRadius: BorderRadius.circular(8),
              ),
              focusedBorder: OutlineInputBorder(
```

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```
                                borderSide: BorderSide(
                                  color: formController
                                        .emailIdError.value.isEmpty
                                      ? Colors.black
                                      : Colors.red,
                                  width: 1.5,
                                ),
                                borderRadius: BorderRadius.circular(8),
                              ),
                              errorBorder: OutlineInputBorder(
                                borderSide:
                                    BorderSide(color: Colors.red, width: 1.5),
                                borderRadius: BorderRadius.circular(8),
                              ),
                              focusedErrorBorder: OutlineInputBorder(
                                borderSide:
                                    BorderSide(color: Colors.red, width: 1.5),
                                borderRadius: BorderRadius.circular(8),
                              ),
                              errorText:
                                  formController.emailIdError.value.isEmpty
                                      ? null
                                      : formController.emailIdError.value,
                              errorStyle: TextStyle(color: Colors.red),
                              filled: true,
                              fillColor: Colors.white,
                            ),
                          ),
                        ),
                      ),
                    ],
                  ),
                ),
                //phno
                Container(
                  width: Get.width * 0.95,
                  child: Column(
                    spacing: Get.height * 0.010,
                    crossAxisAlignment: CrossAxisAlignment.start,
                    children: [
                      Text("Phone Number"),
                      Focus(
                        onFocusChange: (hasFocus) {
                          if (!hasFocus) {
                            formController.validatePhoneNumber(
                                formController.phoneNumber.value.text);
                          }
                        },
                        child: Obx(
                          () => TextFormField(
                            controller: formController.phoneNumber.value,
                            keyboardType: TextInputType.number,
                            inputFormatters: [
                              FilteringTextInputFormatter.digitsOnly
                            ],
                            onChanged: (value) {
                              formController.phoneNumber.value.value =
                                  TextEditingValue(
                                text: value,
```

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```
                        selection: TextSelection.collapsed(
                          offset: value.length),
                      );
                      formController.validatePhoneNumber(value);
                    },
                    decoration: InputDecoration(
                      contentPadding: EdgeInsets.symmetric(
                        horizontal: 16, vertical: 12),
                      labelText: 'Please Enter your Phone Number',
                      enabledBorder: OutlineInputBorder(
                        borderSide: BorderSide(
                          color: formController
                                .phoneNumberError.value.isEmpty
                            ? Colors.black
                            : Colors.red,
                          width: 2,
                        ),
                        borderRadius: BorderRadius.circular(8),
                      ),
                      focusedBorder: OutlineInputBorder(
                        borderSide: BorderSide(
                          color: formController
                                .phoneNumberError.value.isEmpty
                            ? Colors.black
                            : Colors.red,
                          width: 1.5,
                        ),
                        borderRadius: BorderRadius.circular(8),
                      ),
                      errorBorder: OutlineInputBorder(
                        borderSide:
                          BorderSide(color: Colors.red, width: 1.5),
                        borderRadius: BorderRadius.circular(8),
                      ),
                      focusedErrorBorder: OutlineInputBorder(
                        borderSide:
                          BorderSide(color: Colors.red, width: 1.5),
                        borderRadius: BorderRadius.circular(8),
                      ),
                      errorText: formController
                            .phoneNumberError.value.isEmpty
                        ? null
                        : formController.phoneNumberError.value,
                      errorStyle: TextStyle(color: Colors.red),
                      filled: true,
                      fillColor: Colors.white,
                    ),
                  ),
                ),
              ),
            ],
          ),
        ),
        //UCID
        Container(
          width: Get.width * 0.95,
          child: Column(
            spacing: Get.height * 0.010,
            crossAxisAlignment: CrossAxisAlignment.start,
```

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```dart
children: [
  Text("UCID"),
  Focus(
    onFocusChange: (hasFocus) {
      if (!hasFocus) {
        formController
          .validateUCID(formController.ucid.value.text);
      }
    },
    child: Obx(
      () => TextFormField(
        controller: formController.ucid.value,
        keyboardType: TextInputType.number,
        inputFormatters: [
          FilteringTextInputFormatter.digitsOnly
        ],
        onChanged: (value) {
          formController.ucid.value.value =
            TextEditingValue(
              text: value,
              selection: TextSelection.collapsed(
                offset: value.length),
            );
          formController.validateUCID(value);
        },
        decoration: InputDecoration(
          contentPadding: EdgeInsets.symmetric(
            horizontal: 16, vertical: 12),
          labelText: 'Please Enter your UCID',
          enabledBorder: OutlineInputBorder(
            borderSide: BorderSide(
              color:
                formController.ucidError.value.isEmpty
                  ? Colors.black
                  : Colors.red,
              width: 2,
            ),
            borderRadius: BorderRadius.circular(8),
          ),
          focusedBorder: OutlineInputBorder(
            borderSide: BorderSide(
              color:
                formController.ucidError.value.isEmpty
                  ? Colors.black
                  : Colors.red,
              width: 1.5,
            ),
            borderRadius: BorderRadius.circular(8),
          ),
          errorBorder: OutlineInputBorder(
            borderSide:
              BorderSide(color: Colors.red, width: 1.5),
            borderRadius: BorderRadius.circular(8),
          ),
          focusedErrorBorder: OutlineInputBorder(
            borderSide:
              BorderSide(color: Colors.red, width: 1.5),
            borderRadius: BorderRadius.circular(8),
          ),
```

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```
                    errorText:
                      formController.ucidError.value.isEmpty
                        ? null
                        : formController.ucidError.value,
                    errorStyle: TextStyle(color: Colors.red),
                    filled: true,
                    fillColor: Colors.white,
                  ),
                ),
              ),
            ),
          ],
        ),
      ),
    ),
    SizedBox(
      height: Get.height * 0.015,
    )
  ],
  ),
),
Divider(),
Container(
  child: Column(
    mainAxisAlignment: MainAxisAlignment.start,
    crossAxisAlignment: CrossAxisAlignment.center,
    spacing: 10,
    children: [
      Container(
        padding: EdgeInsets.symmetric(
          vertical: Get.height * 0.015,
          horizontal: Get.width * 0.025),
        alignment: Alignment.centerLeft,
        child: Text(
          "GRADUATION",
          style: TextStyle(
            fontWeight: FontWeight.w800, fontSize: 20),
        )),

      //College
      Container(
        width: Get.width * 0.94,
        child: Column(
          spacing: Get.height * 0.010,
          crossAxisAlignment: CrossAxisAlignment.start,
          children: [
            Text("College Name"),
            Focus(
              onFocusChange: (hasFocus) {
                if (!hasFocus) {
                  formController.validateCollegeNameGraduation(
                    formController
                      .collegeNameGraduation.value.text);
                }
              },
              child: Obx(
                () => TextFormField(
                  controller:
                    formController.collegeNameGraduation.value,
                  onChanged: (value) {
```

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```
                    formController.collegeNameGraduation.value
                      .value = TextEditingValue(
                    text: value,
                    selection: TextSelection.collapsed(
                      offset: value.length),
                    );
                    formController
                      .validateCollegeNameGraduation(value);
                  },
                  decoration: InputDecoration(
                    contentPadding: EdgeInsets.symmetric(
                      horizontal: 16, vertical: 12),
                    labelText: 'Please Enter College Name',
                    enabledBorder: OutlineInputBorder(
                      borderSide: BorderSide(
                        color: formController
                            .collegeNameErrorGraduation
                            .value
                            .isEmpty
                          ? Colors.black
                          : Colors.red,
                        width: 2,
                      ),
                      borderRadius: BorderRadius.circular(8),
                    ),
                    focusedBorder: OutlineInputBorder(
                      borderSide: BorderSide(
                        color: formController
                            .collegeNameErrorGraduation
                            .value
                            .isEmpty
                          ? Colors.black
                          : Colors.red,
                        width: 1.5,
                      ),
                      borderRadius: BorderRadius.circular(8),
                    ),
                    errorBorder: OutlineInputBorder(
                      borderSide:
                        BorderSide(color: Colors.red, width: 1.5),
                      borderRadius: BorderRadius.circular(8),
                    ),
                    focusedErrorBorder: OutlineInputBorder(
                      borderSide:
                        BorderSide(color: Colors.red, width: 1.5),
                      borderRadius: BorderRadius.circular(8),
                    ),
                    errorText: formController
                        .collegeNameErrorGraduation
                        .value
                        .isEmpty
                      ? null
                      : formController
                        .collegeNameErrorGraduation.value,
                    errorStyle: TextStyle(color: Colors.red),
                    filled: true,
                    fillColor: Colors.white,
                  ),
                ),
```

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```dart
              ),
            ),
          ],
        ),
      ),

      Row(
        mainAxisAlignment: MainAxisAlignment.spaceEvenly,
        children: [
        //SEM1
        Container(
          width: Get.width * 0.45,
          child: Column(
            spacing: Get.height * 0.010,
            crossAxisAlignment: CrossAxisAlignment.start,
            children: [
              Text("SEM1 CGPA"),
              Focus(
                onFocusChange: (hasFocus) {
                  if (!hasFocus) {
                    formController.validateSem1(
                      formController.sem1.value.text);
                  }
                },
                child: Obx(
                  () => TextFormField(
                    controller: formController.sem1.value,
                    keyboardType: TextInputType.number,
                    inputFormatters: [
                      FilteringTextInputFormatter.allow(
                        RegExp(r'^\d*\.?\d*')),
                    ],
                    onChanged: (value) {
                      formController.sem1.value.value =
                        TextEditingValue(
                        text: value,
                        selection: TextSelection.collapsed(
                          offset: value.length),
                      );
                      formController.validateTotalMarksHSC(value);
                      formController.validateCGPA();
                      formController
                        .calculatePercentageGraduation();
                    },
                    decoration: InputDecoration(
                      contentPadding: EdgeInsets.symmetric(
                        horizontal: 16, vertical: 12),
                      labelText: 'Please Enter your SEM1 CGPA',
                      enabledBorder: OutlineInputBorder(
                        borderSide: BorderSide(
                          color: formController
                              .sem1Error.value.isEmpty
                            ? Colors.black
                            : Colors.red,
                          width: 2,
                        ),
                        borderRadius: BorderRadius.circular(8),
                      ),
                      focusedBorder: OutlineInputBorder(
```

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```
                    borderSide: BorderSide(
                      color: formController
                            .sem1Error.value.isEmpty
                        ? Colors.black
                        : Colors.red,
                      width: 1.5,
                    ),
                    borderRadius: BorderRadius.circular(8),
                  ),
                  errorBorder: OutlineInputBorder(
                    borderSide: BorderSide(
                      color: Colors.red, width: 1.5),
                    borderRadius: BorderRadius.circular(8),
                  ),
                  focusedErrorBorder: OutlineInputBorder(
                    borderSide: BorderSide(
                      color: Colors.red, width: 1.5),
                    borderRadius: BorderRadius.circular(8),
                  ),
                  errorText:
                      formController.sem1Error.value.isEmpty
                        ? null
                        : formController.sem1Error.value,
                  errorStyle: TextStyle(color: Colors.red),
                  filled: true,
                  fillColor: Colors.white,
                ),
              ),
            ),
          ),
        ],
      ),
    ),
  ),
  //SEM2
  Container(
    width: Get.width * 0.45,
    child: Column(
      spacing: Get.height * 0.010,
      crossAxisAlignment: CrossAxisAlignment.start,
      children: [
        Text("SEM2 CGPA"),
        Focus(
          onFocusChange: (hasFocus) {
            if (!hasFocus) {
              formController.validateSem2(
                formController.sem2.value.text);
            }
          },
          child: Obx(
            () => TextFormField(
              inputFormatters: [
                FilteringTextInputFormatter.allow(
                    RegExp(r'^\d*\.?\d*')),
              ],
              controller: formController.sem2.value,
              onChanged: (value) {
                formController.sem2.value.value =
                    TextEditingValue(
                  text: value,
```
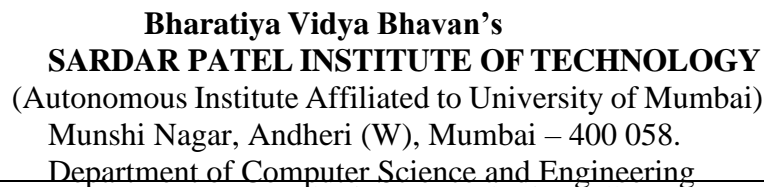
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```
                    selection: TextSelection.collapsed(
                      offset: value.length),
                  );
                  formController.validateSem2(value);
                  formController.validateCGPA();
                  formController
                    .calculatePercentageGraduation();
                },
              decoration: InputDecoration(
                contentPadding: EdgeInsets.symmetric(
                  horizontal: 16, vertical: 12),
                labelText: 'Please Enter your SEM2 CGPA',
                enabledBorder: OutlineInputBorder(
                  borderSide: BorderSide(
                    color: formController
                        .sem2Error.value.isEmpty
                      ? Colors.black
                      : Colors.red,
                    width: 2,
                  ),
                  borderRadius: BorderRadius.circular(8),
                ),
                focusedBorder: OutlineInputBorder(
                  borderSide: BorderSide(
                    color: formController
                        .sem2Error.value.isEmpty
                      ? Colors.black
                      : Colors.red,
                    width: 1.5,
                  ),
                  borderRadius: BorderRadius.circular(8),
                ),
                errorBorder: OutlineInputBorder(
                  borderSide: BorderSide(
                    color: Colors.red, width: 1.5),
                  borderRadius: BorderRadius.circular(8),
                ),
                focusedErrorBorder: OutlineInputBorder(
                  borderSide: BorderSide(
                    color: Colors.red, width: 1.5),
                  borderRadius: BorderRadius.circular(8),
                ),
                errorText:
                    formController.sem2Error.value.isEmpty
                      ? null
                      : formController.sem2Error.value,
                errorStyle: TextStyle(color: Colors.red),
                filled: true,
                fillColor: Colors.white,
              ),
            ),
          ),
        ),
      ],
    ),
  ),
],
),
```

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```dart
Row(
  mainAxisAlignment: MainAxisAlignment.spaceEvenly,
  children: [
  //SEM3
  Container(
    width: Get.width * 0.45,
    child: Column(
      spacing: Get.height * 0.010,
      crossAxisAlignment: CrossAxisAlignment.start,
      children: [
        Text("SEM3 CGPA"),
        Focus(
          onFocusChange: (hasFocus) {
            if (!hasFocus) {
              formController.validateSem3(
                formController.sem3.value.text);
            }
          },
          child: Obx(
            () => TextFormField(
              inputFormatters: [
                FilteringTextInputFormatter.allow(
                  RegExp(r'^\d*\.?\d*')),
              ],
              controller: formController.sem3.value,
              onChanged: (value) {
                formController.sem3.value.value =
                  TextEditingValue(
                  text: value,
                  selection: TextSelection.collapsed(
                    offset: value.length),
                );
                formController.validateSem3(value);
                formController.validateCGPA();
                formController
                  .calculatePercentageGraduation();
              },
              decoration: InputDecoration(
                contentPadding: EdgeInsets.symmetric(
                  horizontal: 16, vertical: 12),
                labelText: 'Please Enter your SEM3 CGPA',
                enabledBorder: OutlineInputBorder(
                  borderSide: BorderSide(
                    color: formController
                        .sem3Error.value.isEmpty
                      ? Colors.black
                      : Colors.red,
                    width: 2,
                  ),
                  borderRadius: BorderRadius.circular(8),
                ),
                focusedBorder: OutlineInputBorder(
                  borderSide: BorderSide(
                    color: formController
                        .sem3Error.value.isEmpty
                      ? Colors.black
                      : Colors.red,
                    width: 1.5,
                  ),
```

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```
                    borderRadius: BorderRadius.circular(8),
                  ),
                  errorBorder: OutlineInputBorder(
                    borderSide: BorderSide(
                      color: Colors.red, width: 1.5),
                    borderRadius: BorderRadius.circular(8),
                  ),
                  focusedErrorBorder: OutlineInputBorder(
                    borderSide: BorderSide(
                      color: Colors.red, width: 1.5),
                    borderRadius: BorderRadius.circular(8),
                  ),
                  errorText:
                      formController.sem3Error.value.isEmpty
                        ? null
                        : formController.sem3Error.value,
                  errorStyle: TextStyle(color: Colors.red),
                  filled: true,
                  fillColor: Colors.white,
                ),
              ),
            ),
          ),
        ],
      ),
    ),
  ),
  //SEM4
  Container(
    width: Get.width * 0.45,
    child: Column(
      spacing: Get.height * 0.010,
      crossAxisAlignment: CrossAxisAlignment.start,
      children: [
        Text("SEM4 CGPA"),
        Focus(
          onFocusChange: (hasFocus) {
            if (!hasFocus) {
              formController.validateSem4(
                formController.sem4.value.text);
            }
          },
          child: Obx(
            () => TextFormField(
              inputFormatters: [
                FilteringTextInputFormatter.allow(
                  RegExp(r'^\d*\.?\d*')),
              ],
              controller: formController.sem4.value,
              onChanged: (value) {
                formController.sem4.value.value =
                  TextEditingValue(
                  text: value,
                  selection: TextSelection.collapsed(
                    offset: value.length),
                );
                formController.validateSem4(value);
                formController.validateCGPA();
                formController
                  .calculatePercentageGraduation();
```

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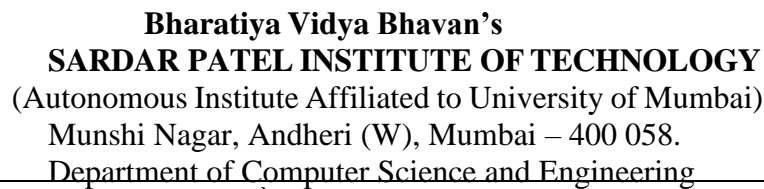Department of Computer Science and Engineering

```dart
                },
                decoration: InputDecoration(
                  contentPadding: EdgeInsets.symmetric(
                    horizontal: 16, vertical: 12),
                  labelText: 'Please Enter your SEM4 CGPA',
                  enabledBorder: OutlineInputBorder(
                    borderSide: BorderSide(
                      color: formController
                          .sem4Error.value.isEmpty
                        ? Colors.black
                        : Colors.red,
                      width: 2,
                    ),
                    borderRadius: BorderRadius.circular(8),
                  ),
                  focusedBorder: OutlineInputBorder(
                    borderSide: BorderSide(
                      color: formController
                          .sem4Error.value.isEmpty
                        ? Colors.black
                        : Colors.red,
                      width: 1.5,
                    ),
                    borderRadius: BorderRadius.circular(8),
                  ),
                  errorBorder: OutlineInputBorder(
                    borderSide: BorderSide(
                      color: Colors.red, width: 1.5),
                    borderRadius: BorderRadius.circular(8),
                  ),
                  focusedErrorBorder: OutlineInputBorder(
                    borderSide: BorderSide(
                      color: Colors.red, width: 1.5),
                    borderRadius: BorderRadius.circular(8),
                  ),
                  errorText:
                      formController.sem4Error.value.isEmpty
                        ? null
                        : formController.sem4Error.value,
                  errorStyle: TextStyle(color: Colors.red),
                  filled: true,
                  fillColor: Colors.white,
                ),
              ),
            ),
          ),
        ],
      ),
    ),
  ],
),

Row(
  mainAxisAlignment: MainAxisAlignment.spaceEvenly,
  children: [
  //SEM5
   Container(
     width: Get.width * 0.45,
     child: Column(
```

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```dart
      spacing: Get.height * 0.010,
      crossAxisAlignment: CrossAxisAlignment.start,
      children: [
       Text("SEM5 CGPA"),
       Focus(
         onFocusChange: (hasFocus) {
          if (!hasFocus) {
           formController.validateSem5(
             formController.sem5.value.text);
          }
         },
         child: Obx(
          () => TextFormField(
           inputFormatters: [
            FilteringTextInputFormatter.allow(
              RegExp(r'^\d*\.?\d*')),
           ],
           controller: formController.sem5.value,
           onChanged: (value) {
            formController.sem5.value.value =
              TextEditingValue(
             text: value,
             selection: TextSelection.collapsed(
                offset: value.length),
            );
            formController.validateSem5(value);
            formController.validateCGPA();
            formController
              .calculatePercentageGraduation();
           },
           decoration: InputDecoration(
            contentPadding: EdgeInsets.symmetric(
              horizontal: 16, vertical: 12),
            labelText: 'Please Enter your SEM5 CGPA',
            enabledBorder: OutlineInputBorder(
             borderSide: BorderSide(
              color: formController
                  .sem5Error.value.isEmpty
                ? Colors.black
                : Colors.red,
              width: 2,
             ),
             borderRadius: BorderRadius.circular(8),
            ),
            focusedBorder: OutlineInputBorder(
             borderSide: BorderSide(
              color: formController
                  .sem5Error.value.isEmpty
                ? Colors.black
                : Colors.red,
              width: 1.5,
             ),
             borderRadius: BorderRadius.circular(8),
            ),
            errorBorder: OutlineInputBorder(
             borderSide: BorderSide(
                color: Colors.red, width: 1.5),
             borderRadius: BorderRadius.circular(8),
            ),
```

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```dart
                    focusedErrorBorder: OutlineInputBorder(
                      borderSide: BorderSide(
                        color: Colors.red, width: 1.5),
                      borderRadius: BorderRadius.circular(8),
                    ),
                    errorText:
                      formController.sem5Error.value.isEmpty
                        ? null
                        : formController.sem5Error.value,
                    errorStyle: TextStyle(color: Colors.red),
                    filled: true,
                    fillColor: Colors.white,
                  ),
                ),
              ),
            ),
          ],
        ),
      ),
    ),
    //SEM6
    Container(
      width: Get.width * 0.45,
      child: Column(
        spacing: Get.height * 0.010,
        crossAxisAlignment: CrossAxisAlignment.start,
        children: [
          Text("SEM6 CGPA"),
          Focus(
            onFocusChange: (hasFocus) {
              if (!hasFocus) {
                formController.validateSem6(
                  formController.sem6.value.text);
              }
            },
            child: Obx(
              () => TextFormField(
                inputFormatters: [
                  FilteringTextInputFormatter.allow(
                    RegExp(r'^\d*\.?\d*')),
                ],
                controller: formController.sem6.value,
                onChanged: (value) {
                  formController.sem6.value.value =
                    TextEditingValue(
                    text: value,
                    selection: TextSelection.collapsed(
                      offset: value.length),
                  );
                  formController.validateSem6(value);
                  formController.validateCGPA();
                  formController
                    .calculatePercentageGraduation();
                },
                decoration: InputDecoration(
                  contentPadding: EdgeInsets.symmetric(
                    horizontal: 16, vertical: 12),
                  labelText: 'Please Enter your SEM6 CGPA',
                  enabledBorder: OutlineInputBorder(
                    borderSide: BorderSide(
```
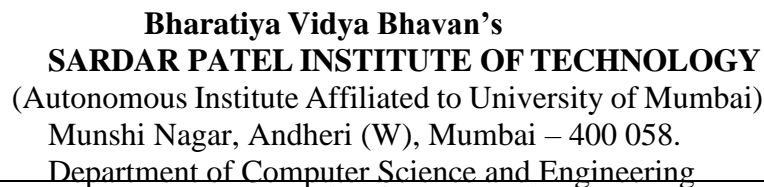
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```dart
                      color: formController
                          .sem6Error.value.isEmpty
                        ? Colors.black
                        : Colors.red,
                      width: 2,
                    ),
                    borderRadius: BorderRadius.circular(8),
                  ),
                  focusedBorder: OutlineInputBorder(
                    borderSide: BorderSide(
                      color: formController
                          .sem6Error.value.isEmpty
                        ? Colors.black
                        : Colors.red,
                      width: 1.5,
                    ),
                    borderRadius: BorderRadius.circular(8),
                  ),
                  errorBorder: OutlineInputBorder(
                    borderSide: BorderSide(
                        color: Colors.red, width: 1.5),
                    borderRadius: BorderRadius.circular(8),
                  ),
                  focusedErrorBorder: OutlineInputBorder(
                    borderSide: BorderSide(
                        color: Colors.red, width: 1.5),
                    borderRadius: BorderRadius.circular(8),
                  ),
                  errorText:
                      formController.sem6Error.value.isEmpty
                        ? null
                        : formController.sem6Error.value,
                  errorStyle: TextStyle(color: Colors.red),
                  filled: true,
                  fillColor: Colors.white,
                ),
              ),
            ),
          ),
        ],
      ),
    ),
  ],
),

Row(
  mainAxisAlignment: MainAxisAlignment.spaceEvenly,
  children: [
   //CGPA
   Container(
     width: Get.width * 0.45,
     child: Column(
       spacing: Get.height * 0.010,
       crossAxisAlignment: CrossAxisAlignment.start,
       children: [
         Text("CGPA"),
         Obx(
           () => TextFormField(
             readOnly: true,
```

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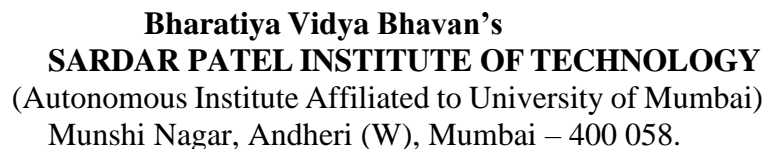Department of Computer Science and Engineering

```
                            controller: formController.CGPA.value,
                            keyboardType: TextInputType.number,
                            inputFormatters: [
                             FilteringTextInputFormatter.allow(
                                RegExp(r'^\d*\.?\d*')),
                            ],

                            decoration: InputDecoration(
                             hintText: 'Your CGPA',
                             contentPadding: EdgeInsets.symmetric(
                                horizontal: 16, vertical: 12),
                             enabledBorder: OutlineInputBorder(
                               borderSide: BorderSide(
                                color:  Colors.black,
                                width: 2,
                               ),
                               borderRadius: BorderRadius.circular(8),
                             ),
                             focusedBorder: OutlineInputBorder(
                               borderSide: BorderSide(
                                color:Colors.black,
                                width: 2,
                               ),
                               borderRadius: BorderRadius.circular(8),
                             ),

                             filled: true,
                             fillColor: Colors.white,
                            ),
                          ),
                        ),
                       ],
                     ),
                   ),
                   //percentage
                   Container(
                     width: Get.width * 0.45,
                     child: Column(
                       spacing: Get.height * 0.010,
                       crossAxisAlignment: CrossAxisAlignment.start,
                       children: [
                        Text("Percentage"),
                        Obx(
                          () => TextFormField(
                            readOnly: true,
                            controller:
                               formController.percentageGraduation.value,
                            keyboardType: TextInputType.number,
                            inputFormatters: [
                             FilteringTextInputFormatter.allow(
                                RegExp(r'^\d*\.?\d*')),
                            ],

                            decoration: InputDecoration(
                             hintText: 'Your Percentage',
                             contentPadding: EdgeInsets.symmetric(
                                horizontal: 16, vertical: 12),
                             enabledBorder: OutlineInputBorder(
                               borderSide: BorderSide(
```

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```
                          color: Colors.black,
                          width: 2,
                        ),
                        borderRadius: BorderRadius.circular(8),
                      ),
                      focusedBorder: OutlineInputBorder(
                        borderSide: BorderSide(
                          color: Colors.black,
                          width: 2,
                        ),
                        borderRadius: BorderRadius.circular(8),
                      ),

                      filled: true,
                      fillColor: Colors.white,
                    ),
                  ),
                ),
              ],
            ),
          ),
          SizedBox(
            height: Get.height * 0.015,
          )
        ],
      ),
    ),
  ),
  Divider(),
  Container(
    child: Column(
      mainAxisAlignment: MainAxisAlignment.start,
      crossAxisAlignment: CrossAxisAlignment.center,
      spacing: 10,
      children: [
        Container(
          padding: EdgeInsets.symmetric(
            vertical: Get.height * 0.015,
            horizontal: Get.width * 0.025),
          alignment: Alignment.centerLeft,
          child: Text(
            "HSC",
            style: TextStyle(
              fontWeight: FontWeight.w800, fontSize: 20),
          )),

        //College
        Container(
          width: Get.width * 0.94,
          child: Column(
            spacing: Get.height * 0.010,
            crossAxisAlignment: CrossAxisAlignment.start,
            children: [
              Text("College Name"),
              Focus(
                onFocusChange: (hasFocus) {
                  if (!hasFocus) {
                    formController.validateCollegeNameHSC(
```

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```
                          formController.collegeNameHSC.value.text);
                  }
              },
              child: Obx(
                () => TextFormField(
                  controller: formController.collegeNameHSC.value,
                  onChanged: (value) {
                    formController.collegeNameHSC.value.value =
                      TextEditingValue(
                      text: value,
                      selection: TextSelection.collapsed(
                        offset: value.length),
                    );
                    formController.validateCollegeNameHSC(value);
                  },
                  decoration: InputDecoration(
                    contentPadding: EdgeInsets.symmetric(
                      horizontal: 16, vertical: 12),
                    labelText: 'Please Enter College Name',
                    enabledBorder: OutlineInputBorder(
                      borderSide: BorderSide(
                        color: formController
                            .collegeNameErrorHSC.value.isEmpty
                          ? Colors.black
                          : Colors.red,
                        width: 2,
                      ),
                      borderRadius: BorderRadius.circular(8),
                    ),
                    focusedBorder: OutlineInputBorder(
                      borderSide: BorderSide(
                        color: formController
                            .collegeNameErrorHSC.value.isEmpty
                          ? Colors.black
                          : Colors.red,
                        width: 1.5,
                      ),
                      borderRadius: BorderRadius.circular(8),
                    ),
                    errorBorder: OutlineInputBorder(
                      borderSide:
                        BorderSide(color: Colors.red, width: 1.5),
                      borderRadius: BorderRadius.circular(8),
                    ),
                    focusedErrorBorder: OutlineInputBorder(
                      borderSide:
                        BorderSide(color: Colors.red, width: 1.5),
                      borderRadius: BorderRadius.circular(8),
                    ),
                    errorText: formController
                        .collegeNameErrorHSC.value.isEmpty
                      ? null
                      : formController.collegeNameErrorHSC.value,
                    errorStyle: TextStyle(color: Colors.red),
                    filled: true,
                    fillColor: Colors.white,
                  ),
                ),
              ),
```
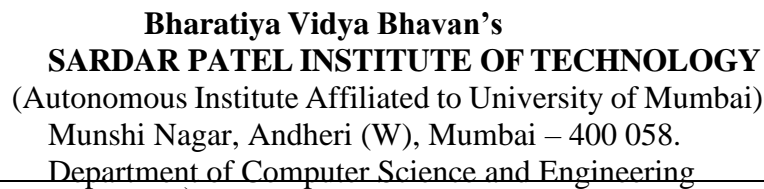
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```dart
          ),
        ],
      ),
    ),
    //Year of passing
    Container(
      width: Get.width * 0.94,
      child: Column(
        spacing: Get.height * 0.010,
        crossAxisAlignment: CrossAxisAlignment.start,
        children: [
          Text("Year of Passing"),
          Focus(
            onFocusChange: (hasFocus) {
              if (!hasFocus) {
                formController.validateYearOfPassingHSC(
                  formController.yearOfPassingHSC.value.text);
              }
            },
            child: Obx(
              () => TextFormField(
                controller: formController.yearOfPassingHSC.value,
                onChanged: (value) {
                  formController.yearOfPassingHSC.value.value =
                    TextEditingValue(
                    text: value,
                    selection: TextSelection.collapsed(
                      offset: value.length),
                  );
                  formController.validateYearOfPassingHSC(value);
                },
                decoration: InputDecoration(
                  contentPadding: EdgeInsets.symmetric(
                    horizontal: 16, vertical: 12),
                  labelText: 'Please Enter Year of Passing',
                  enabledBorder: OutlineInputBorder(
                    borderSide: BorderSide(
                      color: formController
                          .yearOfPassingErrorHSC.value.isEmpty
                        ? Colors.black
                        : Colors.red,
                      width: 2,
                    ),
                    borderRadius: BorderRadius.circular(8),
                  ),
                  focusedBorder: OutlineInputBorder(
                    borderSide: BorderSide(
                      color: formController
                          .yearOfPassingErrorHSC.value.isEmpty
                        ? Colors.black
                        : Colors.red,
                      width: 1.5,
                    ),
                    borderRadius: BorderRadius.circular(8),
                  ),
                  errorBorder: OutlineInputBorder(
                    borderSide:
                        BorderSide(color: Colors.red, width: 1.5),
                    borderRadius: BorderRadius.circular(8),
```

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```
                        ),
                        focusedErrorBorder: OutlineInputBorder(
                          borderSide:
                            BorderSide(color: Colors.red, width: 1.5),
                          borderRadius: BorderRadius.circular(8),
                        ),
                        errorText: formController
                              .yearOfPassingErrorHSC.value.isEmpty
                          ? null
                          : formController
                              .yearOfPassingErrorHSC.value,
                        errorStyle: TextStyle(color: Colors.red),
                        filled: true,
                        fillColor: Colors.white,
                      ),
                    ),
                  ),
                ),
              ],
            ),
          ),

        Row(
          mainAxisAlignment: MainAxisAlignment.spaceEvenly,
          children: [
            //marks obtained
            Container(
              width: Get.width * 0.45,
              child: Column(
                spacing: Get.height * 0.010,
                crossAxisAlignment: CrossAxisAlignment.start,
                children: [
                  Text("Marks Obtained"),
                  Focus(
                    onFocusChange: (hasFocus) {
                      if (!hasFocus) {
                        formController.validateMarksObtainedHSC(
                          formController
                              .marksObtainedHSC.value.text);
                        formController.calculatePercentageHSC();
                      }
                    },
                    child: Obx(
                      () => TextFormField(
                        inputFormatters: [
                          FilteringTextInputFormatter.digitsOnly
                        ],
                        controller:
                          formController.marksObtainedHSC.value,
                        onChanged: (value) {
                          formController.marksObtainedHSC.value
                              .value = TextEditingValue(
                            text: value,
                            selection: TextSelection.collapsed(
                                offset: value.length),
                          );
                          formController
                              .validateMarksObtainedHSC(value);
                        },
```

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```dart
              decoration: InputDecoration(
                contentPadding: EdgeInsets.symmetric(
                  horizontal: 16, vertical: 12),
                labelText: 'Please Enter Marks Obtained',
                enabledBorder: OutlineInputBorder(
                  borderSide: BorderSide(
                    color: formController
                        .marksObtainedErrorHSC
                        .value
                        .isEmpty
                      ? Colors.black
                      : Colors.red,
                    width: 2,
                  ),
                  borderRadius: BorderRadius.circular(8),
                ),
                focusedBorder: OutlineInputBorder(
                  borderSide: BorderSide(
                    color: formController
                        .marksObtainedErrorHSC
                        .value
                        .isEmpty
                      ? Colors.black
                      : Colors.red,
                    width: 1.5,
                  ),
                  borderRadius: BorderRadius.circular(8),
                ),
                errorBorder: OutlineInputBorder(
                  borderSide: BorderSide(
                    color: Colors.red, width: 1.5),
                  borderRadius: BorderRadius.circular(8),
                ),
                focusedErrorBorder: OutlineInputBorder(
                  borderSide: BorderSide(
                    color: Colors.red, width: 1.5),
                  borderRadius: BorderRadius.circular(8),
                ),
                errorText: formController
                        .marksObtainedErrorHSC.value.isEmpty
                  ? null
                  : formController
                        .marksObtainedErrorHSC.value,
                errorStyle: TextStyle(color: Colors.red),
                filled: true,
                fillColor: Colors.white,
              ),
            ),
          ),
        ),
      ],
    ),
  ),
  //Total Marks
  Container(
    width: Get.width * 0.45,
    child: Column(
      spacing: Get.height * 0.010,
      crossAxisAlignment: CrossAxisAlignment.start,
```

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```
children: [
  Text("Total Marks"),
  Focus(
    onFocusChange: (hasFocus) {
      if (!hasFocus) {
        formController.validateTotalMarksHSC(
          formController.totalMarksHSC.value.text);
        formController.calculatePercentageHSC();
      }
    },
    child: Obx(
      () => TextFormField(
        inputFormatters: [
          FilteringTextInputFormatter.digitsOnly
        ],
        controller:
          formController.totalMarksHSC.value,
        onChanged: (value) {
          formController.totalMarksHSC.value.value =
            TextEditingValue(
            text: value,
            selection: TextSelection.collapsed(
              offset: value.length),
          );
          formController.validateTotalMarksHSC(value);
        },
        decoration: InputDecoration(
          contentPadding: EdgeInsets.symmetric(
            horizontal: 16, vertical: 12),
          labelText: 'Please Enter your Total Marks',
          enabledBorder: OutlineInputBorder(
            borderSide: BorderSide(
              color: formController.totalMarksErrorHSC
                  .value.isEmpty
                ? Colors.black
                : Colors.red,
              width: 2,
            ),
            borderRadius: BorderRadius.circular(8),
          ),
          focusedBorder: OutlineInputBorder(
            borderSide: BorderSide(
              color: formController.totalMarksErrorHSC
                  .value.isEmpty
                ? Colors.black
                : Colors.red,
              width: 1.5,
            ),
            borderRadius: BorderRadius.circular(8),
          ),
          errorBorder: OutlineInputBorder(
            borderSide: BorderSide(
              color: Colors.red, width: 1.5),
            borderRadius: BorderRadius.circular(8),
          ),
          focusedErrorBorder: OutlineInputBorder(
            borderSide: BorderSide(
              color: Colors.red, width: 1.5),
            borderRadius: BorderRadius.circular(8),
```
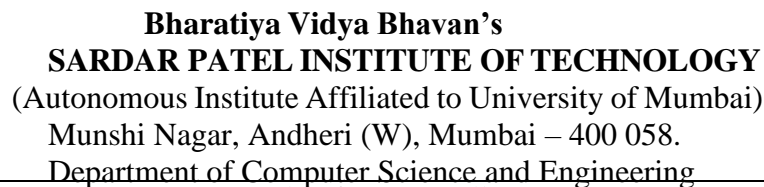
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```
              ),
            errorText: formController
                  .totalMarksErrorHSC.value.isEmpty
              ? null
              : formController
                  .totalMarksErrorHSC.value,
            errorStyle: TextStyle(color: Colors.red),
            filled: true,
            fillColor: Colors.white,
          ),
        ),
      ),
    ),
  ],
),
),
],
),

//Percentage
Container(
  width: Get.width * 0.94,
  child: Column(
    spacing: Get.height * 0.010,
    crossAxisAlignment: CrossAxisAlignment.start,
    children: [
      Text("Percentage"),
      Obx(
        () => TextFormField(
          readOnly: true,
          controller: formController.percentageHSC.value,
          keyboardType: TextInputType.number,
          inputFormatters: [
            FilteringTextInputFormatter.digitsOnly
          ],
          onChanged: (value) {
            formController.percentageHSC.value.value =
              TextEditingValue(
            text: value,
            selection: TextSelection.collapsed(
              offset: value.length),
          );
          },
          decoration: InputDecoration(
            contentPadding: EdgeInsets.symmetric(
              horizontal: 16, vertical: 12),
            labelText: 'Your Percentage',
            enabledBorder: OutlineInputBorder(
              borderSide: BorderSide(
                color: formController
                    .percentageErrorHSC.value.isEmpty
                  ? Colors.black
                  : Colors.red,
                width: 2,
              ),
              borderRadius: BorderRadius.circular(8),
            ),
            focusedBorder: OutlineInputBorder(
              borderSide: BorderSide(
```

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```
                        color: formController
                            .percentageErrorHSC.value.isEmpty
                          ? Colors.black
                          : Colors.red,
                        width: 1.5,
                      ),
                      borderRadius: BorderRadius.circular(8),
                    ),
                    errorBorder: OutlineInputBorder(
                      borderSide:
                        BorderSide(color: Colors.red, width: 1.5),
                      borderRadius: BorderRadius.circular(8),
                    ),
                    focusedErrorBorder: OutlineInputBorder(
                      borderSide:
                        BorderSide(color: Colors.red, width: 1.5),
                      borderRadius: BorderRadius.circular(8),
                    ),
                    errorText: formController
                            .percentageErrorHSC.value.isEmpty
                        ? null
                        : formController.percentageErrorHSC.value,
                    errorStyle: TextStyle(color: Colors.red),
                    filled: true,
                    fillColor: Colors.white,
                  ),
                ),
              ),
            ],
          ),
        ),
        SizedBox(
          height: Get.height * 0.015,
        )
      ],
    ),
  ),
),
Divider(),
Container(
  child: Column(
    mainAxisAlignment: MainAxisAlignment.start,
    crossAxisAlignment: CrossAxisAlignment.center,
    spacing: 10,
    children: [
      Container(
        padding: EdgeInsets.symmetric(
          vertical: Get.height * 0.015,
          horizontal: Get.width * 0.025),
        alignment: Alignment.centerLeft,
        child: Text(
          "SSC",
          style:
            TextStyle(fontWeight: FontWeight.w800, fontSize: 20),
        ),
      ),

      //College
      Container(
        width: Get.width * 0.94,
```

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```dart
                        child: Column(
                          spacing: Get.height * 0.010,
                          crossAxisAlignment: CrossAxisAlignment.start,
                          children: [
                           Text("School Name"),
                           Focus(
                             onFocusChange: (hasFocus) {
                               if (!hasFocus) {
                                 formController.validateCollegeNameSSC(
                                   formController.collegeNameSSC.value.text);
                               }
                             },
                             child: Obx(
                               () => TextFormField(
                                 controller: formController.collegeNameSSC.value,
                                 onChanged: (value) {
                                   formController.collegeNameSSC.value.value =
                                     TextEditingValue(
                                      text: value,
                                      selection: TextSelection.collapsed(
                                         offset: value.length),
                                   );
                                   formController.validateCollegeNameSSC(value);
                                 },
                                 decoration: InputDecoration(
                                   contentPadding: EdgeInsets.symmetric(
                                     horizontal: 16, vertical: 12),
                                   labelText: 'Please Enter College Name',
                                   enabledBorder: OutlineInputBorder(
                                     borderSide: BorderSide(
                                       color: formController
                                             .collegeNameErrorSSC.value.isEmpty
                                         ? Colors.black
                                         : Colors.red,
                                       width: 2,
                                     ),
                                     borderRadius: BorderRadius.circular(8),
                                   ),
                                   focusedBorder: OutlineInputBorder(
                                     borderSide: BorderSide(
                                       color: formController
                                             .collegeNameErrorSSC.value.isEmpty
                                         ? Colors.black
                                         : Colors.red,
                                       width: 1.5,
                                     ),
                                     borderRadius: BorderRadius.circular(8),
                                   ),
                                   errorBorder: OutlineInputBorder(
                                     borderSide:
                                       BorderSide(color: Colors.red, width: 1.5),
                                     borderRadius: BorderRadius.circular(8),
                                   ),
                                   focusedErrorBorder: OutlineInputBorder(
                                     borderSide:
                                       BorderSide(color: Colors.red, width: 1.5),
                                     borderRadius: BorderRadius.circular(8),
                                   ),
                                   errorText: formController
```

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```
                                .collegeNameErrorSSC.value.isEmpty
                              ? null
                              : formController.collegeNameErrorSSC.value,
                        errorStyle: TextStyle(color: Colors.red),
                        filled: true,
                        fillColor: Colors.white,
                      ),
                    ),
                  ),
                ),
              ],
            ),
          ),
          //Year of passing
          Container(
            width: Get.width * 0.94,
            child: Column(
              spacing: Get.height * 0.010,
              crossAxisAlignment: CrossAxisAlignment.start,
              children: [
                Text("Year of Passing"),
                Focus(
                  onFocusChange: (hasFocus) {
                    if (!hasFocus) {
                      formController.validateYearOfPassingSSC(
                        formController.yearOfPassingSSC.value.text);
                    }
                  },
                  child: Obx(
                    () => TextFormField(
                      controller: formController.yearOfPassingSSC.value,
                      onChanged: (value) {
                        formController.yearOfPassingSSC.value.value =
                          TextEditingValue(
                          text: value,
                          selection: TextSelection.collapsed(
                            offset: value.length),
                        );
                        formController.validateYearOfPassingSSC(value);
                      },
                      decoration: InputDecoration(
                        contentPadding: EdgeInsets.symmetric(
                          horizontal: 16, vertical: 12),
                        labelText: 'Please Enter Year of Passing',
                        enabledBorder: OutlineInputBorder(
                          borderSide: BorderSide(
                            color: formController
                                .yearOfPassingErrorSSC.value.isEmpty
                              ? Colors.black
                              : Colors.red,
                            width: 2,
                          ),
                          borderRadius: BorderRadius.circular(8),
                        ),
                        focusedBorder: OutlineInputBorder(
                          borderSide: BorderSide(
                            color: formController
                                .yearOfPassingErrorSSC.value.isEmpty
                              ? Colors.black
```

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```
                                : Colors.red,
                              width: 1.5,
                            ),
                            borderRadius: BorderRadius.circular(8),
                          ),
                          errorBorder: OutlineInputBorder(
                            borderSide:
                              BorderSide(color: Colors.red, width: 1.5),
                            borderRadius: BorderRadius.circular(8),
                          ),
                          focusedErrorBorder: OutlineInputBorder(
                            borderSide:
                              BorderSide(color: Colors.red, width: 1.5),
                            borderRadius: BorderRadius.circular(8),
                          ),
                          errorText: formController
                                .yearOfPassingErrorSSC.value.isEmpty
                              ? null
                              : formController
                                .yearOfPassingErrorSSC.value,
                          errorStyle: TextStyle(color: Colors.red),
                          filled: true,
                          fillColor: Colors.white,
                        ),
                      ),
                    ),
                  ),
                ],
              ),
            ),
            Row(
              mainAxisAlignment: MainAxisAlignment.spaceEvenly,
              children: [
                //marks obtained
                Container(
                  width: Get.width * 0.45,
                  child: Column(
                    spacing: Get.height * 0.010,
                    crossAxisAlignment: CrossAxisAlignment.start,
                    children: [
                      Text("Marks Obtained"),
                      Focus(
                        onFocusChange: (hasFocus) {
                          if (!hasFocus) {
                            formController.validateMarksObtainedSSC(
                              formController
                                .marksObtainedSSC.value.text);
                          }
                        },
                        child: Obx(
                          () => TextFormField(
                            inputFormatters: [
                              FilteringTextInputFormatter.digitsOnly
                            ],
                            controller:
                              formController.marksObtainedSSC.value,
                            onChanged: (value) {
                              formController.marksObtainedSSC.value
                                .value = TextEditingValue(
```

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```
                      text: value,
                      selection: TextSelection.collapsed(
                        offset: value.length),
                    );
                    formController
                      .validateMarksObtainedSSC(value);
                    formController.calculatePercentageSSC();
                  },
                  decoration: InputDecoration(
                    contentPadding: EdgeInsets.symmetric(
                      horizontal: 16, vertical: 12),
                    labelText: 'Please Enter Marks Obtained',
                    enabledBorder: OutlineInputBorder(
                      borderSide: BorderSide(
                        color: formController
                            .marksObtainedErrorSSC
                              .value
                              .isEmpty
                          ? Colors.black
                          : Colors.red,
                        width: 2,
                      ),
                      borderRadius: BorderRadius.circular(8),
                    ),
                    focusedBorder: OutlineInputBorder(
                      borderSide: BorderSide(
                        color: formController
                            .marksObtainedErrorSSC
                              .value
                              .isEmpty
                          ? Colors.black
                          : Colors.red,
                        width: 1.5,
                      ),
                      borderRadius: BorderRadius.circular(8),
                    ),
                    errorBorder: OutlineInputBorder(
                      borderSide: BorderSide(
                        color: Colors.red, width: 1.5),
                      borderRadius: BorderRadius.circular(8),
                    ),
                    focusedErrorBorder: OutlineInputBorder(
                      borderSide: BorderSide(
                        color: Colors.red, width: 1.5),
                      borderRadius: BorderRadius.circular(8),
                    ),
                    errorText: formController
                        .marksObtainedErrorSSC.value.isEmpty
                      ? null
                      : formController
                        .marksObtainedErrorSSC.value,
                    errorStyle: TextStyle(color: Colors.red),
                    filled: true,
                    fillColor: Colors.white,
                  ),
                ),
              ),
            ),
          ],
```

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```dart
        ),
      ),
      //Total Marks
      Container(
        width: Get.width * 0.45,
        child: Column(
          spacing: Get.height * 0.010,
          crossAxisAlignment: CrossAxisAlignment.start,
          children: [
            Text("Total Marks"),
            Focus(
              onFocusChange: (hasFocus) {
                if (!hasFocus) {
                  formController.validateTotalMarksSSC(
                      formController.totalMarksSSC.value.text);
                }
              },
              child: Obx(
                () => TextFormField(
                  inputFormatters: [
                    FilteringTextInputFormatter.digitsOnly
                  ],
                  controller:
                      formController.totalMarksSSC.value,
                  onChanged: (value) {
                    formController.totalMarksSSC.value.value =
                        TextEditingValue(
                      text: value,
                      selection: TextSelection.collapsed(
                          offset: value.length),
                    );
                    formController.validateTotalMarksSSC(value);
                    formController.calculatePercentageSSC();
                  },
                  decoration: InputDecoration(
                    contentPadding: EdgeInsets.symmetric(
                        horizontal: 16, vertical: 12),
                    labelText: 'Please Enter your Total Marks',
                    enabledBorder: OutlineInputBorder(
                      borderSide: BorderSide(
                        color: formController.totalMarksErrorSSC
                                .value.isEmpty
                            ? Colors.black
                            : Colors.red,
                        width: 2,
                      ),
                      borderRadius: BorderRadius.circular(8),
                    ),
                    focusedBorder: OutlineInputBorder(
                      borderSide: BorderSide(
                        color: formController.totalMarksErrorSSC
                                .value.isEmpty
                            ? Colors.black
                            : Colors.red,
                        width: 1.5,
                      ),
                      borderRadius: BorderRadius.circular(8),
                    ),
                    errorBorder: OutlineInputBorder(
```

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```
                          borderSide: BorderSide(
                            color: Colors.red, width: 1.5),
                          borderRadius: BorderRadius.circular(8),
                        ),
                        focusedErrorBorder: OutlineInputBorder(
                          borderSide: BorderSide(
                            color: Colors.red, width: 1.5),
                          borderRadius: BorderRadius.circular(8),
                        ),
                        errorText: formController
                            .totalMarksErrorSSC.value.isEmpty
                          ? null
                          : formController
                            .totalMarksErrorSSC.value,
                        errorStyle: TextStyle(color: Colors.red),
                        filled: true,
                        fillColor: Colors.white,
                      ),
                    ),
                  ),
                ),
              ],
            ),
          ),
        ],
      ),

      //Percentage
      Container(
        width: Get.width * 0.94,
        child: Column(
          spacing: Get.height * 0.010,
          crossAxisAlignment: CrossAxisAlignment.start,
          children: [
            Text("Percentage"),
            Obx(
              () => TextFormField(
                readOnly: true,
                controller: formController.percentageSSC.value,
                keyboardType: TextInputType.number,
                inputFormatters: [
                  FilteringTextInputFormatter.digitsOnly
                ],
                onChanged: (value) {
                  formController.phoneNumber.value.value =
                    TextEditingValue(
                    text: value,
                    selection: TextSelection.collapsed(
                      offset: value.length),
                  );
                },
                decoration: InputDecoration(
                  contentPadding: EdgeInsets.symmetric(
                    horizontal: 16, vertical: 12),
                  labelText: 'Your Percentage',
                  enabledBorder: OutlineInputBorder(
                    borderSide: BorderSide(
                      color: formController
                          .percentageErrorSSC.value.isEmpty
```

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```
                              ? Colors.black
                              : Colors.red,
                           width: 2,
                         ),
                         borderRadius: BorderRadius.circular(8),
                       ),
                       focusedBorder: OutlineInputBorder(
                         borderSide: BorderSide(
                           color: formController
                               .percentageErrorSSC.value.isEmpty
                           ? Colors.black
                           : Colors.red,
                           width: 1.5,
                         ),
                         borderRadius: BorderRadius.circular(8),
                       ),
                       errorBorder: OutlineInputBorder(
                         borderSide:
                           BorderSide(color: Colors.red, width: 1.5),
                         borderRadius: BorderRadius.circular(8),
                       ),
                       focusedErrorBorder: OutlineInputBorder(
                         borderSide:
                           BorderSide(color: Colors.red, width: 1.5),
                         borderRadius: BorderRadius.circular(8),
                       ),
                       errorText: formController
                               .percentageErrorSSC.value.isEmpty
                           ? null
                           : formController.percentageErrorSSC.value,
                       errorStyle: TextStyle(color: Colors.red),
                       filled: true,
                       fillColor: Colors.white,
                     ),
                   ),
                 ),
               ],
             ),
           ),

           SizedBox(
             height: Get.height * 0.015,
           )
         ],
       ),
     ),
    Divider(),
    Container(
      child: Column(
        crossAxisAlignment: CrossAxisAlignment.center,
        children: [
          Container(
            alignment: Alignment.centerLeft,
            child: Container(
              padding: EdgeInsets.symmetric(
                vertical: Get.height * 0.015,
                horizontal: Get.width * 0.025),
              alignment: Alignment.centerLeft,
              child: Text(
```
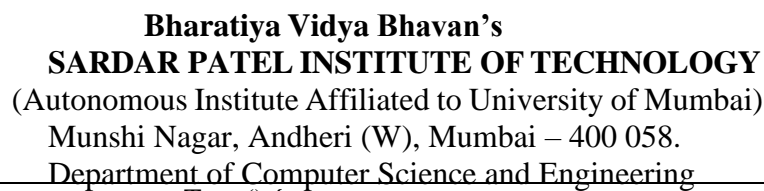
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```
                "Your Image",
                 style: TextStyle(
                    fontWeight: FontWeight.w800, fontSize: 20),
                ),
              )),
          SizedBox(height: Get.height * 0.02),
          GestureDetector(
            onTap: () {
             formController.pickProfileImage();
            },
            child: Container(
             margin: EdgeInsets.all(10),
             width: Get.width * 0.92,
             height: Get.height * 0.04,
             alignment: Alignment.center,
             decoration: BoxDecoration(
                color: Color(0xff1976D2),
                borderRadius: BorderRadius.circular(8)),
             child: Text(
               "Pick Image",
               style: TextStyle(color: Colors.white),
             ),
            ),
          ),
          SizedBox(height: Get.height * 0.02),
          Obx(() {
           if (formController.profileImagePath.value != null) {
             return CircleAvatar(
               radius: 100,
               backgroundImage: FileImage(
                  File(formController.profileImagePath.value)),
             );
           } else {
             return Text("No profile image selected.");
           }
          }),
        ],
      ),
    ),
    Divider(),
    Container(
     child: Column(
       crossAxisAlignment: CrossAxisAlignment.center,
       children: [
        Container(
          alignment: Alignment.centerLeft,
          child: Container(
            padding: EdgeInsets.symmetric(
              vertical: Get.height * 0.015,
              horizontal: Get.width * 0.025),
            alignment: Alignment.centerLeft,
            child: Text(
              "Your Resume",
              style: TextStyle(
                 fontWeight: FontWeight.w800, fontSize: 20),
            ),
          )),
        SizedBox(height: Get.height * 0.02),
        GestureDetector(
```

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```
                    onTap: () {
                      formController.pickFile();
                    },
                    child: Container(
                      margin: EdgeInsets.all(10),
                      width: Get.width * 0.92,
                      height: Get.height * 0.04,
                      alignment: Alignment.center,
                      decoration: BoxDecoration(
                        color: Color(0xff1976D2),
                        borderRadius: BorderRadius.circular(8)),
                      child: Text(
                        "Pick Resume",
                        style: TextStyle(color: Colors.white),
                      ),
                    ),
                  ),
                  SizedBox(height: Get.height * 0.02),
                  Obx(() {
                    if (formController.selectedFilePath.isNotEmpty) {
                      return formController.isPdf.value
                          ? Container(
                              height: Get.height * 0.5,
                              child: PDFView(
                                filePath:
                                    formController.selectedFilePath.value),
                            )
                          : Image.file(
                              File(formController.selectedFilePath.value),
                              height: Get.height * 0.3,
                              fit: BoxFit.cover,
                            );
                    }
                    return Container();
                  }),
                ],
              ),
            ),
          ),
          GestureDetector(
            onTap: () {
              if (formController.isFormValid()) {
                print('Valid');
                formController.storeFormValues();
                formController.resetForm();
                Get.snackbar(
                  "Registered",
                  "You are Registered Successfully",
                  snackPosition: SnackPosition.TOP,
                  backgroundColor: Colors.green,
                );
                Get.off(MainScreen());
              } else {
                print('InValid');
                Get.snackbar(
                  "Form Error",
                  "Please fill in all the required fields correctly.",
                  snackPosition: SnackPosition.TOP,
                  backgroundColor: Colors.red,
                );
```

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```
                    }
                  },
                  child: Container(
                    margin: EdgeInsets.all(10),
                    width: Get.width * 0.92,
                    height: Get.height * 0.04,
                    alignment: Alignment.center,
                    decoration: BoxDecoration(
                      color: Color(0xff1976D2),
                      borderRadius: BorderRadius.circular(8)),
                    child: Text(
                      "Submit",
                      style: TextStyle(color: Colors.white),
                    ),
                  ),
                ),
              ],
            ),
          ),
        );
      }
    }
```

profilePage.dart
```dart
import 'dart:io';

import 'package:flutter/material.dart';
import 'package:flutter_pdfview/flutter_pdfview.dart';
import 'package:get/get.dart';

import '../controllers/registrationController.dart';

class ProfilePage extends StatefulWidget {
  const ProfilePage({super.key});

  @override
  State<ProfilePage> createState() => _ProfilePageState();
}

class _ProfilePageState extends State<ProfilePage> {
  final FormController formController = Get.put(FormController());

  @override
  Widget build(BuildContext context) {
    var isProfileComplete = formController.box.read("isProfileComplete");
    var resumeBox = formController.box.read("resume");
    var imageBox = formController.box.read("profileImage");
    var isPdf = formController.box.read("isPdf");
    var collegeNameGraduation =
        formController.box.read("collegeNameGraduation");
    var CGPA = formController.box.read("CGPA");
    var collegeNameSSC = formController.box.read("collegeNameSSC");
    var percentageSSC = formController.box.read("percentageSSC");
    var collegeNameHSC = formController.box.read("collegeNameHSC");
    var percentageHSC = formController.box.read("percentageHSC");

    return Scaffold(
      appBar: AppBar(
        iconTheme: IconThemeData(color: Colors.white),
```

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```
          title: Text(
            "Profile",
            style: TextStyle(color: Colors.white),
          ),
          backgroundColor: Color(0xff1976D2),
        ),
        body: isProfileComplete != null
          ? SingleChildScrollView(
            child: Column(
              crossAxisAlignment: CrossAxisAlignment.start,
              children: [
                // Image
                Container(
                  padding: EdgeInsets.all(20),
                  alignment: Alignment.center,
                  child: (imageBox != null)
                      ? CircleAvatar(
                        radius: 100,
                        backgroundImage: FileImage(File(imageBox)),
                       )
                      : Text("No profile image selected."),
                ),

                Container(
                  padding: EdgeInsets.symmetric(horizontal: Get.width * 0.025),
                  child: Column(
                    spacing: 0,
                    crossAxisAlignment: CrossAxisAlignment.start,
                    children: [
                      // Graduation
                      Text(
                        "Graduation",
                        style: TextStyle(
                            fontWeight: FontWeight.w800, fontSize: 20),
                      ),
                      Row(
                        mainAxisAlignment: MainAxisAlignment.spaceBetween,
                        children: [
                          Row(
                            spacing: 15,
                            children: [
                              Icon(Icons.school_rounded),
                              Text(collegeNameGraduation,style: TextStyle(
                                  fontWeight: FontWeight.w400, fontSize: 18),),
                            ],
                          ),
                          Row(
                            spacing: 15,
                            children: [
                              Text(CGPA + " CGPA",style: TextStyle(
                                  fontWeight: FontWeight.w400, fontSize: 18)),
                              Icon(Icons.leaderboard_rounded),
                            ],
                          )
                        ],
                      ),

                      // HSC
                      Text(
```

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```
          "HSC",
          style: TextStyle(
            fontWeight: FontWeight.w800, fontSize: 20),
        ),
        Row(
         mainAxisAlignment: MainAxisAlignment.spaceBetween,
         children: [
          Row(
            spacing: 15,
            children: [
             Icon(Icons.school_rounded),
             Text(collegeNameHSC,style: TextStyle(
               fontWeight: FontWeight.w400, fontSize: 18)),
            ],
          ),
          Row(
            spacing: 15,
            children: [
             Text(percentageHSC + "%",style: TextStyle(
               fontWeight: FontWeight.w400, fontSize: 18)),
             Icon(Icons.leaderboard_rounded),
            ],
          ),
         ],
        ),

        // SSC
        Text("SSC",
          style: TextStyle(
            fontWeight: FontWeight.w800, fontSize: 20)),
        Row(
         mainAxisAlignment: MainAxisAlignment.spaceBetween,
         children: [
          Row(
            spacing: 15,
            children: [
             Icon(Icons.school_rounded),
             Text(collegeNameSSC,style: TextStyle(
               fontWeight: FontWeight.w400, fontSize: 18)),
            ],
          ),
          Row(
            spacing: 15,
            children: [
             Text(percentageSSC + "%",style: TextStyle(
               fontWeight: FontWeight.w400, fontSize: 18)),
             Icon(Icons.leaderboard_rounded),
            ],
          ),


         ],
        ),
        ],
       ),
      ),

      // Resume
```

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```
                        (resumeBox != null)
                          ?
                          // return
                          isPdf != null
                            ? Container(
                               height: Get.height * 0.5,
                               child: PDFView(filePath: resumeBox),
                             )
                            : Image.file(
                               File(resumeBox),
                               height: Get.height * 0.3,
                               fit: BoxFit.cover,
                             )
                          : Container(
                             child: Text("No Resume is selected."),
                           ),
                      ],
                    ),
                  )
                  : Center(
                      child: Text("Please Register First!"),
                    ),
              );
        }
    }


companiesPage.dart
import 'package:flutter/material.dart';
import 'package:get/get.dart';

import '../controllers/registrationController.dart';

class CompaniesPage extends StatefulWidget {
  const CompaniesPage({super.key});

  @override
  State<CompaniesPage> createState() => _CompaniesPageState();
}

class _CompaniesPageState extends State<CompaniesPage> {

  @override
  Widget build(BuildContext context) {
    final FormController formController = Get.put(FormController());
    var isProfileComplete = formController.box.read("isProfileComplete");
    final List<List<String>> companies = [
      [
        'ISS stoxx',
        'Mumbai, India',
        '₹60,000 - ₹75,000',
        'SDE-1.',
        'assets/images/ISS.jpg'
      ],
      [
        'Nomura',
        'Mumbai, India',
        '₹80,000 - ₹90,000',
        'SDE-1.',
```

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```
    'assets/images/Nomura.jpg'
  ],
  [
    'Oracle',
    'Mumbai, India',
    '₹70,000 - ₹80,000',
    'Associate Consultant.',
    'assets/images/oracle.png'
  ],
  [
    'Phone Pe',
    'Bangalore, India',
    '₹1,20,000 - ₹1,40,000',
    'Senior Devops Engineer.',
    'assets/images/phonePe.png'
  ],
  [
    'Wissen Infotech',
    'Bangalore, India',
    '₹70,000 - ₹80,000',
    'Database Engineer.',
    'assets/images/Wissen.jpg'
  ],
];
return Scaffold(
  appBar: AppBar(
    iconTheme: IconThemeData(color: Colors.white),
    title: Text(
      "Companies",
      style: TextStyle(color: Colors.white),
    ),
    backgroundColor: Color(0xff1976D2),
  ),
  body:
  isProfileComplete != null ?
  ListView.builder(
    itemCount: companies.length,
    itemBuilder: (context, index) {
      return Card(
        margin: EdgeInsets.symmetric(horizontal: 10, vertical: 5),
        child: Padding(
          padding: const EdgeInsets.all(10.0),
          child: Row(
            crossAxisAlignment: CrossAxisAlignment.start,
            children: [
              // Company Image
              ClipRRect(
                borderRadius: BorderRadius.circular(10),
                child: Image.asset(
                  companies[index][4],
                  width: 80,
                  height: 80,
                  fit: BoxFit.fill,
                ),
              ),
              SizedBox(width: 15),
              // Company Details
              Expanded(
                child: Column(
```

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```
                         crossAxisAlignment: CrossAxisAlignment.start,
                         children: [
                          Text(
                           companies[index][0], // Company Name
                           style: TextStyle(
                            fontSize: 20,
                            fontWeight: FontWeight.bold,
                           ),
                          ),
                          SizedBox(height: 5),
                          Text(
                           'Location: ${companies[index][1]}',
                           style: TextStyle(color: Colors.grey[600]),
                          ),
                          Text(
                           'Salary Range: ${companies[index][2]}',
                           style: TextStyle(color: Color(0xffFF6600)),
                          ),
                          SizedBox(height: 5),
                          Text(
                           companies[index][3], // Short Profile
                           style: TextStyle(fontSize: 16),
                          ),
                         ],
                       ),
                      ),
                    ],
                   ),
                  ),
                 );
                },
              ):
              Center(
                child: Text("Please Register First!"),
              ),
            );
          }
        }


mainScreen.dart
import 'package:flutter/material.dart';
import 'package:lab4/commonWidgets/commonDrawer.dart';

class MainScreen extends StatefulWidget {
 const MainScreen({super.key});

 @override
 State<MainScreen> createState() => _MainScreenState();
}

class _MainScreenState extends State<MainScreen> {
 @override
 Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
     iconTheme: IconThemeData(color: Colors.white),
     title: Text("TPO",style: TextStyle(color: Colors.white),),
     backgroundColor: Color(0xff1976D2),
```

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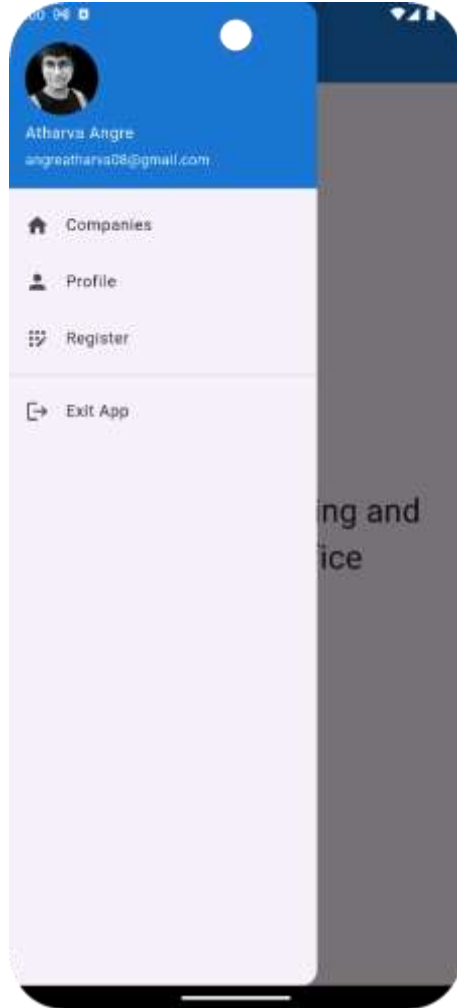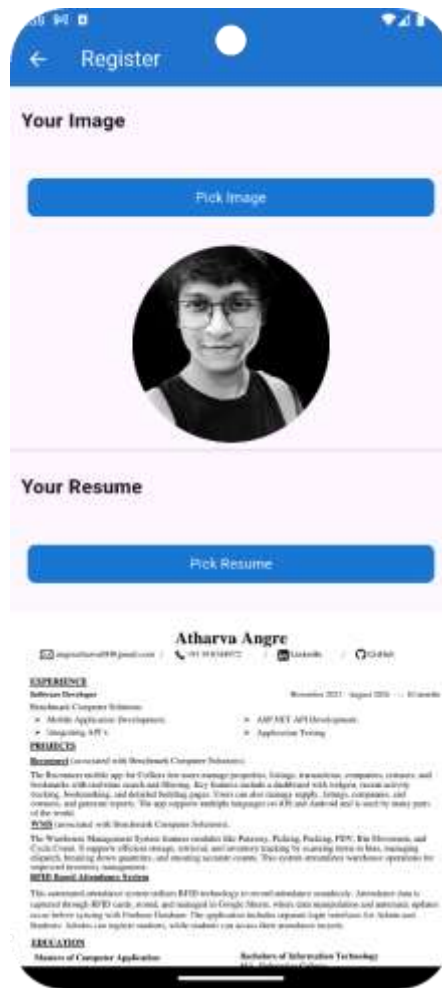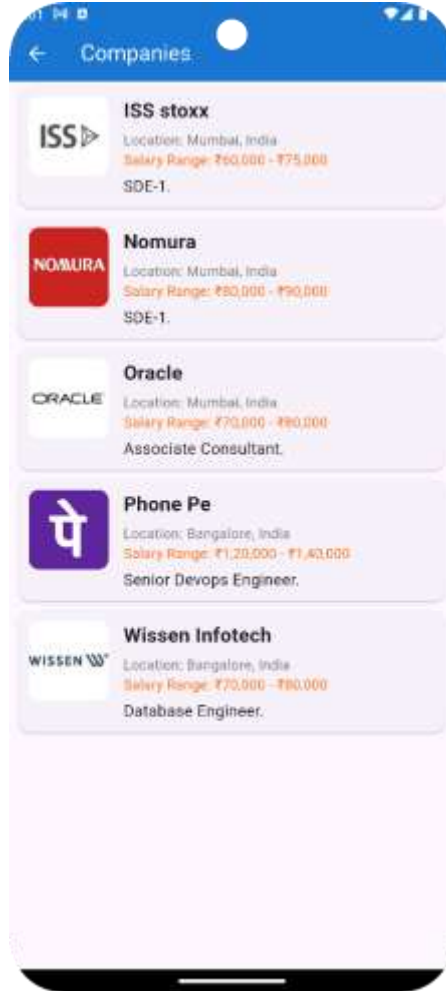|	

	``
	      ),
	      body: Center(
	        child: Text(
	          "Welcome To Training and Placement Office",
	          textAlign: TextAlign.center,
	          style: TextStyle(fontSize: 32),
	        ),
	      ),
	      drawer: CommonDrawer(),
	    );
	  }
	}
	``

Screenshots	

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Companies

← Companies

Please Register First!

Profile

← Profile

Please Register First!

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Question and Answers	Answer the following Questions: 1. How to create SideDrawer Navigation? It is implemented using the Drawer widget inside the Scaffold. The CommonDrawer contains a ListView with ListTile items for navigation, using Get.to() for page transitions. 2. How did you use 60-30-10 rule in your application? The primary color Color(0xff1976D2) (60%) is used for the AppBar and Drawer, white (30%) for text, and Color(0xffFF6600) (10%) for Salary. 3. Which new elements did you use for creating UI components? PDFView
Conclusion	The TPO app will help students register their academic details, calculate percentages, and upload resumes. It will have a side navigation drawer for easy access to features. Students can view their details, uploaded resumes, and company information like name, location, and salary range. This app will make the placement process simple and accessible for students and coordinators.