Activity Main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout width="match parent"
    android:layout height="match parent"
    android:orientation="vertical"
    android:background="#FFFFFF"
    android:paddingTop="58dp"
    android:gravity="center horizontal">
    <TextView
        android:layout width="wrap content"
        android: layout height="wrap content"
        android:id="@+id/welcome"
        android:text="Welcome Back!"
        android:textSize="35dp"
        android:textColor="#000000"
        android:fontFamily="@font/jacques francois"
        android:textStyle="normal" />
    <ImageView</pre>
        android:layout width="261dp"
        android:layout height="238dp"
        android:layout marginTop="35dp"
        android:id="@+id/logo"
        android:scaleType="fitXY"
        android:src="@drawable/college logo" />
    <TextView
        android:layout width="wrap content"
        android:layout marginTop="45dp"
        android:layout height="wrap content"
        android:id="@+id/name"
        android:text="SPL Lab Portal"
        android:textSize="35dp"
        android:textColor="#000000"
        android:fontFamily="@font/jacques francois"
        android:textStyle="normal" />
```

```
<View
        android:id="@+id/line"
        android:layout marginTop="25dp"
        android:layout width="254dp"
        android:layout height="1dp"
        android:background="#000000" />
    <Button
        android:id="@+id/signinbutton"
        android:layout width="261dp"
        android:layout height="54dp"
        android:layout gravity="center"
        android:backgroundTint="#65558F"
        android:fontFamily="sans-serif"
        android:gravity="center"
        android:layout marginTop="50dp"
        android:padding="10dp"
        android:shape="rectangle"
        android:text="Google Sign In"
        android:textColor="#000000"
        android:textSize="14sp"
        android:textStyle="bold" />
    <TextView
        android:layout width="match parent"
        android:layout height="match parent"
        android:text="Sign in with your BIT account"
        android:textSize="25dp"
        android:textAlignment="center"
        android:layout marginTop="75dp"
        android:textColor="#000000"
        android:fontFamily="@font/jacques francois"
        android:textStyle="normal" />
</LinearLayout>
```

Activity.registration.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView
xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout width="match parent"
    android:layout height="match parent"
    android:padding="16dp">
    <LinearLayout
        android:layout width="match parent"
        android:layout height="wrap content"
        android:orientation="vertical">
        <TextView
            android:layout width="match parent"
            android:layout height="wrap content"
            android:text="Register"
            android:textSize="24sp"
            android:textStyle="bold"
            android:gravity="center"
            android:paddingBottom="16dp" />
        <TextView
            android:layout width="match parent"
            android:layout height="wrap content"
            android:text="Name"
            android:textSize="16sp"
            android:layout marginBottom="4dp" />
        <EditText
            android:id="@+id/editTextName"
            android:layout width="match parent"
            android:layout height="wrap content"
            android:hint="Enter your name"
            android:inputType="textPersonName"
            android:padding="10dp"
            android:background="@android:drawable/editbox background"
/>
        <TextView
            android:layout width="match parent"
            android:layout height="wrap content"
            android:text="ID (Faculty ID / Student ID)"
```

```
android:textSize="16sp"
            android:layout marginTop="10dp"
            android:layout marginBottom="4dp" />
        <EditText
            android:id="@+id/editTextID"
            android:layout width="match parent"
            android:layout height="wrap content"
            android:hint="Enter your ID"
            android:inputType="text"
            android:padding="10dp"
            android:background="@android:drawable/editbox background"
/>
        <TextView
            android:layout width="match parent"
            android:layout height="wrap content"
            android:text="Department"
            android:textSize="16sp"
            android:layout marginTop="10dp"
            android:layout marginBottom="4dp" />
        <Spinner
            android:id="@+id/spinnerDepartment"
            android:layout width="match parent"
            android:layout height="wrap content" />
        <TextView
            android:layout width="match parent"
            android: layout height="wrap content"
            android:text="Special Lab"
            android:textSize="16sp"
            android:layout marginTop="10dp"
            android:layout marginBottom="4dp" />
        <Spinner
            android:id="@+id/spinnerSpecialLab"
            android:layout width="match parent"
            android:layout height="wrap content" />
        <TextView
            android:id="@+id/textViewYear"
            android:layout width="match parent"
            android:layout height="wrap content"
            android:text="Year"
```

```
android:textSize="16sp"
            android:layout marginTop="10dp"
            android:layout marginBottom="4dp"
            android:visibility="gone" />
        <Spinner
            android:id="@+id/spinnerYear"
            android:layout width="match parent"
            android:layout height="wrap content"
            android:visibility="gone" />
        <Button
            android:id="@+id/buttonRegister"
            android:layout width="match parent"
            android: layout height="wrap content"
            android:text="Register"
            android:textSize="18sp"
            android:textStyle="bold"
            android:backgroundTint="@color/teal 700"
            android:textColor="@android:color/white"
            android:layout marginTop="20dp"
            android:padding="12dp" />
    </LinearLayout>
</ScrollView>
```

Admin Mode

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".AdminModeActivity">

<FrameLayout
    android:id="@+id/admin_fragment_container"
    android:layout width="match_parent"</pre>
```

User Mode

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout width="match parent"
    android:layout height="match parent"
    android:orientation="vertical"
    tools:context=".UserModeActivity">
    <FrameLayout</pre>
            android:id="@+id/fragment container"
            android:layout width="match parent"
            android:layout height="0dp"
            android:layout weight="1"/>
<com.google.android.material.bottomnavigation.BottomNavigationView</pre>
            android:id="@+id/bottom navigation"
            android:layout width="match parent"
            android:layout height="wrap content"
            android:background="?android:attr/windowBackground"
            app:menu="@menu/bottom nav menu"/>
    </LinearLayout>
```

Dialog add projects:

```
<ScrollView
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout width="match parent"
    android:layout height="wrap content"
    android:padding="16dp">
    <LinearLayout
        android:layout width="match parent"
        android: layout height="wrap content"
        android:orientation="vertical"
        android:padding="16dp">
        <!-- Team Leader Name -->
        <com.google.android.material.textfield.TextInputLayout</pre>
            android:layout width="match parent"
            android:layout height="wrap content"
            android:hint="Team Leader Name">
            <com.google.android.material.textfield.TextInputEditText</pre>
                android:id="@+id/etTeamLeaderName"
                android:layout width="match parent"
                android:layout height="wrap content" />
        </com.google.android.material.textfield.TextInputLayout>
        <!-- Number of Team Members -->
        <com.google.android.material.textfield.TextInputLayout</pre>
            android:layout width="match parent"
            android:layout height="wrap content"
            android:hint="Number of Team Members">
            <com.google.android.material.textfield.TextInputEditText</pre>
                android:id="@+id/etTeamMemberCount"
                android:layout width="match parent"
                android:layout height="wrap content"
                android:inputType="number" />
        </com.google.android.material.textfield.TextInputLayout>
        <!-- Dynamic Team Member Inputs -->
        <LinearLayout
            android:id="@+id/teamMembersContainer"
            android:layout width="match parent"
            android:layout height="wrap content"
            android:orientation="vertical"
```

```
android:paddingTop="8dp">
</LinearLayout>
<!-- Roll Number (Based on Input) -->
<com.google.android.material.textfield.TextInputLayout</pre>
    android:layout width="match parent"
    android:layout height="wrap content"
    android:hint="Roll Number">
    <com.google.android.material.textfield.TextInputEditText</pre>
        android:id="@+id/etRollNumber"
        android:layout width="match parent"
        android:layout height="wrap content" />
</com.google.android.material.textfield.TextInputLayout>
<!-- Special Lab (Based on Input) -->
<com.google.android.material.textfield.TextInputLayout</pre>
    android:layout width="match parent"
    android:layout height="wrap content"
    android:hint="Special Lab">
    <com.google.android.material.textfield.TextInputEditText</pre>
        android:id="@+id/etSpecialLab"
        android:layout width="match parent"
        android:layout height="wrap content" />
</com.google.android.material.textfield.TextInputLayout>
<!-- Department -->
<com.google.android.material.textfield.TextInputLayout</pre>
    android:layout width="match parent"
    android:layout height="wrap content"
    android:hint="Department">
    <com.google.android.material.textfield.TextInputEditText</pre>
        android:id="@+id/etDepartment"
        android:layout width="match parent"
        android:layout height="wrap content" />
</com.google.android.material.textfield.TextInputLayout>
<!-- Year -->
<com.google.android.material.textfield.TextInputLayout</pre>
    android:layout width="match parent"
    android:layout height="wrap content"
    android:hint="Year">
    <com.google.android.material.textfield.TextInputEditText</pre>
        android:id="@+id/etYear"
        android:layout width="match parent"
```

```
android:layout height="wrap content" />
    </com.google.android.material.textfield.TextInputLayout>
    <!-- Project Title -->
    <com.google.android.material.textfield.TextInputLayout</pre>
        android:layout width="match parent"
        android:layout height="wrap content"
        android:hint="Project Title">
        <com.google.android.material.textfield.TextInputEditText</pre>
            android:id="@+id/etProjectTitle"
            android:layout width="match parent"
            android:layout height="wrap content" />
    </com.google.android.material.textfield.TextInputLayout>
    <!-- Project Description -->
    <com.google.android.material.textfield.TextInputLayout</pre>
        android:layout width="match parent"
        android:layout height="wrap content"
        android:hint="Project Description">
        <com.google.android.material.textfield.TextInputEditText</pre>
            android:id="@+id/etProjectDescription"
            android:layout width="match parent"
            android:layout height="wrap content" />
    </com.google.android.material.textfield.TextInputLayout>
    <com.google.android.material.textfield.TextInputLayout</pre>
        android:layout width="match parent"
        android:layout height="wrap content"
        android:hint="Duration">
        <com.google.android.material.textfield.TextInputEditText</pre>
            android:id="@+id/etDuration"
            android:layout width="match parent"
            android:layout height="wrap content" />
        <Spinner
            android:id="@+id/spinnerDuration"
            android:layout width="match parent"
            android:layout height="wrap content"
            android:padding="8dp"
            android:background="@android:drawable/btn dropdown"
    </com.google.android.material.textfield.TextInputLayout>
</LinearLayout>
```

/>

Fragments:

1. Achievements

```
<?xml version="1.0" encoding="utf-8"?>
<FrameLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Achievements">

    <!-- TODO: Update blank fragment layout -->
    <TextView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:text="@string/hello_blank_fragment" />

</FrameLayout>
```

2. Achievements _admin

```
<?xml version="1.0" encoding="utf-8"?>
<FrameLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Achievements_admin">

    <!-- TODO: Update blank fragment layout -->
    <TextView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_height="match_parent"
        android:text="@string/hello_blank_fragment" />

</FrameLayout>
```

3. Admin_dashboard

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
   android:layout_width="match_parent"
   android:layout_height="match_parent"
   android:gravity="center"
   android:orientation="vertical">

   <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Admin Dashboard"
        android:textSize="22sp"
        android:textStyle="bold" />
</LinearLayout>
```

4. Admin profile

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
   android:layout width="match parent"
   android:layout height="match parent"
   android:orientation="vertical"
   android:gravity="center"
   android:padding="20dp"
   android:background="@color/white">
   <ImageView</pre>
       android:id="@+id/profile image"
       android:layout width="120dp"
       android:layout height="120dp"
       android:layout marginBottom="20dp"
       android:src="@drawable/ic profile placeholder"
       android:scaleType="centerCrop"
       />
   <TextView
       android:id="@+id/admin name"
       android:layout width="wrap content"
       android:layout height="wrap content"
       android:textSize="22sp"
       android:textColor="@color/black"
       android:textStyle="bold"/>
```

```
<TextView
       android:id="@+id/admin email"
       android:layout width="wrap content"
       android:layout height="wrap content"
       android:textSize="16sp"
       android:textColor="@color/black"
       android:layout marginTop="5dp"/>
   <Button
       android:id="@+id/logout button"
       android:layout width="wrap content"
       android:layout height="wrap content"
       android:layout marginTop="30dp"
       android:padding="10dp"
       android:text="Log Out"
       android:textSize="16sp"
       android:backgroundTint="@color/teal 700"
       android:textColor="@color/white"/>
</LinearLayout>
```

5. Profile:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
   android:layout width="match parent"
   android:layout height="match parent"
   android:orientation="vertical"
   android:gravity="center"
   android:padding="20dp"
   android:background="@color/white">
   <ImageView</pre>
       android:id="@+id/profile image"
       android:layout width="120dp"
       android:layout height="120dp"
       android:layout marginBottom="20dp"
       android:src="@drawable/ic profile placeholder"
       android:scaleType="centerCrop" />
   <TextView
       android:id="@+id/user name"
       android:layout width="wrap content"
       android:layout height="wrap content"
```

```
android:textSize="22sp"
       android:textColor="@color/black"
       android:textStyle="bold"/>
   <TextView
       android:id="@+id/user email"
       android:layout width="wrap content"
       android:layout height="wrap content"
       android:textSize="16sp"
       android:textColor="@color/black"
       android:layout marginTop="5dp"/>
   <Button
       android:id="@+id/logout button"
       android:layout width="wrap content"
       android:layout height="wrap content"
       android:layout marginTop="30dp"
       android:padding="10dp"
       android:text="Log Out"
       android:textSize="16sp"
       android:backgroundTint="@color/teal 700"
       android:textColor="@color/white"/>
</LinearLayout>
```

6. Project_admin

```
<?xml version="1.0" encoding="utf-8"?>
<FrameLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Project_admin">

    <!-- TODO: Update blank fragment layout -->
    <TextView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_height="match_parent"
        android:text="@string/hello_blank_fragment" />

</FrameLayout>
```

7. Project_entry

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
   xmlns:app="http://schemas.android.com/apk/res-auto"
   android:layout width="match parent"
   android:layout height="match parent"
   android:orientation="vertical"
   android:background="@color/white"
   android:padding="16dp">
   <!-- Header Title -->
   <TextView
       android:id="@+id/title"
       android:layout width="wrap content"
       android:layout height="wrap content"
       android:text="Project Registration"
       android:textSize="22sp"
       android:textStyle="bold"
       android:textColor="@color/black"
       android:paddingBottom="12dp"
       android:gravity="center"
       android:layout gravity="center horizontal"/>
   <!-- Scrollable Table Layout -->
   <ScrollView
       android:layout width="match parent"
       android:layout height="wrap content"
       android:fillViewport="true">
       <HorizontalScrollView</pre>
           android:layout width="wrap content"
           android:layout height="wrap content">
           <TableLayout
               android:id="@+id/projectTable"
               android:layout width="wrap content"
               android:layout height="wrap content"
               android:stretchColumns="*"
               android:background="@color/teal 700">
               <!-- Table Header Row -->
               <TableRow >
```

```
<TextView android:text="Team Leader"
android:padding="8dp" android:textColor="@color/white"/>
                   <TextView android:text="Members"
android:padding="8dp" android:textColor="@color/white"/>
                   <TextView android:text="Roll No"
android:padding="8dp" android:textColor="@color/white"/>
                   <TextView android:text="Special Lab"
android:padding="8dp" android:textColor="@color/white"/>
                   <TextView android:text="Department"
android:padding="8dp" android:textColor="@color/white"/>
                   <TextView android:text="Year"
android:padding="8dp" android:textColor="@color/white"/>
                   <TextView android:text="Title"
android:padding="8dp" android:textColor="@color/white"/>
                   <TextView android:text="Description"
android:padding="8dp" android:textColor="@color/white"/>
               </TableRow>
               <!-- Dynamic Rows will be added here programmatically
-->
           </TableLayout>
       </HorizontalScrollView>
   </ScrollView>
   <!-- Floating Action Button for Adding New Projects -->
<com.google.android.material.floatingactionbutton.FloatingActionButto</pre>
n
       android:id="@+id/fabAddProject"
       android:layout width="wrap content"
       android:layout height="wrap content"
       android:backgroundTint="@color/teal_700"
       android:layout gravity="end|bottom"
       android:layout marginTop="500dp"
       app:fabSize="normal"
       app:srcCompat="@android:drawable/ic input add" /> <!-- Set to
normal size to avoid it being too small -->
</LinearLayout>
```

8. Project view:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
   xmlns:app="http://schemas.android.com/apk/res-auto"
   android:layout width="match parent"
   android:layout height="match parent"
   android:orientation="vertical"
   android:background="@color/white"
   android:padding="16dp">
   <!-- Header Title -->
   <TextView
       android:id="@+id/title"
       android:layout width="wrap content"
       android:layout height="wrap content"
       android:text="Project Registration"
       android:textSize="22sp"
       android:textStyle="bold"
       android:textColor="@color/black"
       android:paddingBottom="12dp"
       android:gravity="center"
       android:layout_gravity="center_horizontal"/>
   <!-- Search Bar and Filter Section -->
   <LinearLayout
       android:id="@+id/searchFilterContainer"
       android:layout width="match parent"
       android:layout height="wrap content"
       android:orientation="horizontal"
       android:gravity="center vertical">
       <!-- Rounded Search Bar -->
       <androidx.cardview.widget.CardView</pre>
           android:layout width="0dp"
           android:layout height="50dp"
           android:layout weight="1"
           android:radius="30dp"
           app:cardElevation="4dp">
           <LinearLayout
               android:layout width="match parent"
```

```
android:layout height="match parent"
            android:orientation="horizontal"
            android:gravity="center vertical"
            android:paddingHorizontal="12dp">
            <ImageView</pre>
                android:layout width="24dp"
                android:layout height="24dp"
                android:src="@android:drawable/ic menu search"
                app:tint="@color/black" />
            <EditText
                android:id="@+id/searchBar"
                android:layout width="match parent"
                android:layout height="48dp"
                android:hint="Search"
                android:background="@null"
                android:paddingStart="10dp"
                android:textSize="16sp" />
        </LinearLayout>
    </androidx.cardview.widget.CardView>
    <!-- Filter Button -->
    <com.google.android.material.button.MaterialButton</pre>
        android:id="@+id/filterButton"
        android:layout width="wrap content"
        android:layout height="50dp"
        android:text="Filter"
        android:textSize="16sp"
        android:textAllCaps="false"
        android:icon="@android:drawable/ic menu sort by size"
        app:iconPadding="8dp"
        app:cornerRadius="25dp"
        app:backgroundTint="@color/teal 700"
        app:iconTint="@color/white"
        android:textColor="@color/white"
        android:layout marginStart="12dp"/>
</LinearLayout>
<!-- RecyclerView for Project List -->
<androidx.recyclerview.widget.RecyclerView</pre>
    android:id="@+id/projectRecyclerView"
```

```
android:layout width="match parent"
       android:layout height="0dp"
       android:layout weight="1"
       android:paddingTop="12dp" />
   <!-- Floating Action Button for Adding New Projects -->
</LinearLayout>
  9. Review admin
<?xml version="1.0" encoding="utf-8"?>
<FrameLayout</pre>
xmlns:android="http://schemas.android.com/apk/res/android"
   xmlns:tools="http://schemas.android.com/tools"
   android:layout width="match parent"
   android:layout height="match parent"
   tools:context=".Review admin">
   <!-- TODO: Update blank fragment layout -->
   <TextView
       android:layout width="match parent"
       android:layout height="match parent"
       android:text="@string/hello blank fragment" />
</FrameLayout>
  10. Review projects:
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
   android:layout width="match parent"
   android:layout height="match parent"
   android:gravity="center"
   android:orientation="vertical">
   <TextView
       android:layout width="wrap_content"
       android:layout height="wrap content"
       android:text="Review Projects"
       android:textSize="22sp"
       android:textStyle="bold" />
</LinearLayout>
```

```
Task Managemnt
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
   android:layout width="match parent"
   android:layout height="match parent"
   android:orientation="vertical"
   android:gravity="center"
   android:padding="20dp">
   <TextView
       android:layout width="wrap content"
       android:layout height="wrap content"
       android:text="Task Management"
       android:textSize="24sp"
       android:textStyle="bold"
       android:textColor="#000000"/>
</LinearLayout>
```

Admin_bottom_navigation Bar:

```
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">
   <item
       android:id="@+id/nav achievements"
       android:icon="@drawable/img"
       android:title="Achievements" />
   <item
       android:id="@+id/nav review projects"
       android:icon="@drawable/ic review"
       android:title="Review" />
   <item
       android:id="@+id/nav projects"
       android:icon="@drawable/img 1"
       android:title="Projects" />
   <item
       android:id="@+id/nav dashboard"
       android:icon="@drawable/ic dashboard"
       android:title="Dashboard" />
```

```
<item
    android:id="@+id/nav_admin_profile"
    android:icon="@drawable/ic_admin_profile"
    android:title="Profile" />
</menu>
```

User bottom navigation Bar:

```
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">
   <item
       android:id="@+id/nav_project entry"
       android:icon="@drawable/ic project entry"
       android:title="Project Registration"/>
   <item
       android:id="@+id/nav_project view"
       android:icon="@drawable/ic project view"
       android:title="Project View"/>
   <item
       android:id="@+id/nav_task_management"
       android:icon="@drawable/ic task management"
       android:title="Tasks"/>
   <item
       android:id="@+id/nav achievements"
       android:icon="@drawable/img"
       android:title="Achievements"/>
   <item
       android:id="@+id/nav profile"
       android:icon="@drawable/ic profile"
       android:title="Profile"/>
</menu>
```