Centurion UNIVERSITY Shaping Lines. Emp. Noving Communities	School: Campus:			
	Academic Year: Subject Name: Subject Code:			
	Semester:			
	Date:			
	Applied and Action Learning (Learning by Doing and Discovery)			
Name of the	e Experiement :			

Coding Phase: Pseudo Code / Flow Chart / Algorithm

Open Android Studio

• Launch Android Studio and open your existing project or create a new one.

Create or Open an XML Layout File

- In your project's res/layout folder, open the XML file for the activity or fragment where you want to display the Alert Dialog.
- Add a Button (or any other trigger) that will initiate the Alert Dialog.

Go to the Corresponding Activity/Fragment

• Navigate to the .java or .kt file linked to the XML layout you modified.

Initialize the Button in Code

• Use findViewById() to reference the Button in your Activity/Fragment.

Set an OnClickListener for the Button

• Inside the listener, define what should happen when the Button is clicked.

Create the AlertDialog Builder

- Inside the onClick method, instantiate an AlertDialog.Builder.
- Set the dialog title, message, and define positive and negative buttons for user interaction.

Handle Dialog Button Clicks

• In the .setPositiveButton() and .setNegativeButton() methods, define the actions to be performed when the user clicks each button.

Show the Dialog

• Call .show() on the AlertDialog.Builder instance to display the dialog.

Run and Test the Application

• Build and run your project to ensure the Alert Dialog appears and behaves as expected.

Testing Phase	: Compilation	of Code	(error	detection)
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There is no error.	

Implementation Phase: Final Output(no error)

Step 1: Design the Layout

- Open activity main.xml from the res → layout folder.
- Drag a **Button** from the **Palette** to the design view.

Configuring styles.xml (For Custom Theme/Style)

Location: res \rightarrow values \rightarrow styles.xml

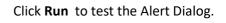
```
MainActivity.java
                                         M AndroidManifest.xml
                                                                 </>styles.xml
activity_main.xml
                                                                                  colors.xml
         <style name="AppTheme" parent="Theme.AppCompat.Light.DarkActionBar">
             <item name="colorPrimary">@color/purple_500</item>
             <item name="colorPrimaryDark">@color/purple_700</item>
             <item name="colorAccent">@color/teal_200</item>
         </style>
         <style name="customstyle" parent="Theme.AppCompat.Dialog.Alert">
             <item name="android:windowBackground">@color/white</item>
             <item name="android:textColor">@color/black</item>
             <item name="android:gravity">bottom</item>
         </style>
     </resources>
```

Add string values for app name, alert title, message, and button text

Implementation Phase: Final Output(no error)

Open AndroidManifest.xml in the app \rightarrow src \rightarrow main folder. add android:exported="true" to the activity tag with an intent filter.

Configuring Mainactivity.java







ASSESSMENT

Rubrics	Full Mark	Marks Obtained	Remarks
Concept	10		
Planning and Execution/	10		
Practical Simulation/ Programming			
Result and Interpretation	10		
Record of Applied and Action Learning	10		
Viva	10		
Total	50		

Signature of the Student:

Name:

Regn. No. :

Signature of the Faculty:

Applied and Action Learning