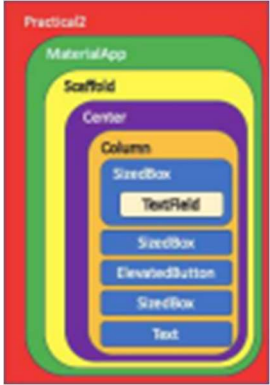


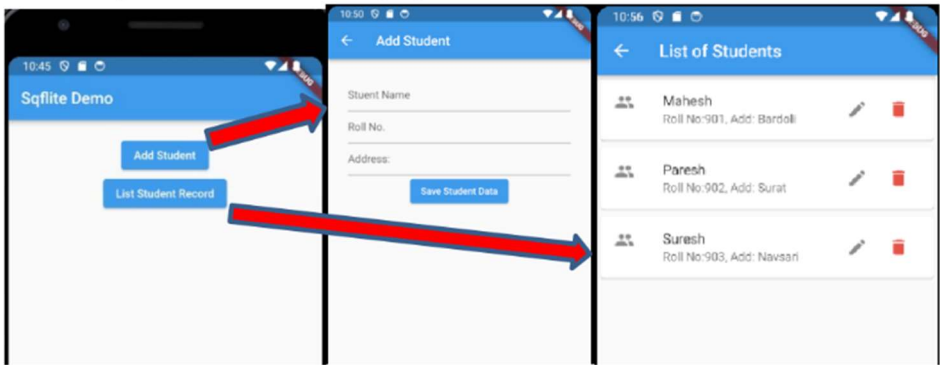
B. Tech. CSE/CSE (Cloud Computing/Cyber Security/AI/ML)/CE (Software Engineering)/Information Technology/Computer Engineering


IT5040 – Cross Platform Mobile Application Development

Practical List

Enrollment Number: _____ Name: _____

Sr.No.	Description	Signature
1	<ul style="list-style-type: none"> ● Create new flutter project using each of the following: <ol style="list-style-type: none"> 1. Terminal 2. VS Code 3. Android Studio ● Run the above created flutter project in Android emulator using: <ol style="list-style-type: none"> 1. Terminal 2. VS Code 3. Android Studio 	
2	<ul style="list-style-type: none"> ● Design a flutter screen with following widgets as per given hierarchy:  <ul style="list-style-type: none"> ● Design two attractive themes “EmeraldTheme” and “RubyTheme”. ● Apply any one theme initially and display that theme name in the Text widget. ● On tap of the ElevatedButton, apply other than the currently applied theme and display that theme name in the Text widget. 	
3	Develop a flutter app with two TextField widgets, a Text widget, and an ElevatedButton widget. On tap of the ElevatedButton, compute the sum of two values from TextFields and display the result in the Text widget.	
4	Create a flutter app having a Slider and a Text widget. Display updated value in Text widget whenever user changes Slider value.	

5	Develop a flutter app with a custom widget to display your Enrollment number, Name, and Photo. Your image should be displayed in circular shape. Also display your hobbies with chip widgets.	
6	Develop a flutter app with following functionalities: <ul style="list-style-type: none"> ● Display list of currently running semester-division name of your college using <code>Listview.separated()</code>. ● On tap of semester-division, display list of students studying in that class using <code>Listview.builder()</code>. 	
7	Develop a flutter app to display images of at least 10 products using <code>GridView</code> .	
8	Develop a flutter app with a <code>Text</code> , a <code>TextField</code> , and an <code>ElevatedButton</code> displaying text "Save". Display the greetings message in <code>Text</code> widget by retrieving username from shared preference. On tap of the <code>ElevatedButton</code> , save the username (from <code>TextField</code>) in shared preference.	
9	Develop a flutter app to retrieve product name from a Web API using "http" package and display in <code>ListView</code> .	
10	Develop a flutter app to retrieve selected student name and image from a Web API using "Chopper" package and display on screen.	
11	Develop a flutter app with following functionalities: <ul style="list-style-type: none"> ● Display two <code>ElevatedButtons</code> "Add Student" and "List Student Record" on the first screen. ● On tap of "Add Student", ask the student name, roll number, and address of the student. Save student data in SQLite database using <code>sqlite</code> package on tap of "Save Student Data". ● On tap of "List Student Record", retrieve the student records stored in SQLite database and display with edit and delete functionalities. 	
12	Develop a flutter app to maintain tasks. Allow the user to create a task and save in SQLite using the <code>Drift</code> package. User can remove a task, view completed or all tasks.	

	 <p>The screenshot shows a mobile application interface for task management. At the top, there is a status bar with the time 11:24 and various icons. Below it is a blue header bar with the title 'Tasks' and a toggle switch labeled 'Completed only' which is currently turned off. The main content area is a list of tasks. The first task is 'Second Task' with a timestamp '2023-10-27 00:00:00.000' and a checkbox. The second task is 'Task-1' with a timestamp '2023-10-26 00:00:00.000' and a checkbox. At the bottom of the list, there is a text input field labeled 'Task Name' and a calendar icon.</p>	
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