

DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING
V R SIDDHARTHA ENGINEERING COLLEGE
VIJAYAWADA



LABORATORY WORKBOOK

17CS3652B MOBILE APPLICATION DEVELOPMENT
LABORATORY



LABORATORY WORKBOOK

STUDENT NAME

**REGISTERED
NUMBER
YEAR**

ACADEMIC YEAR

SEMESTER

SECTION

**COURSE
INSTRUCTOR**

Table of Contents

Lab Session 01:

- a) Installation of Android Studio
- b) Android Virtual Device Creation.....

Lab Session 02:

- a) Implement Hello World Program
 - b) Develop an android application to demonstrate Activity life cycle.....
- Example: Develop an android application that find's my age.

Lab Session 03:

Develop an android application to demonstrate the Implicit and Explicit Intent.
Example: Develop a mobile application that shares the message through an email.

Lab Session 04:

Develop an android application to implement user interface by using following User Interface (UI) Widgets available in android.

- a) Linear Layout, Constraint Layout
 - b) TextView, EditText, RadioButton, Button, CheckBox, ToggleButton, Spinner
- Example: Develop an android application for login and registration screens.....

Lab Session 05:

Develop an android application to implement user interface by using different types of User Interface (UI) Layouts available in android.

- a) Linear Layout, Constraint Layout
- b) TextView, EditText, SeekBar

Example: Develop an android application that prompts the user to cast the poll.

Lab Session 06:

Develop an android application to implement user interface by using User Interface input control RatingBar available in android.

Example: Develop an android application that allows the user to rate an application.

Lab Session 07:

Develop an android application to implement user interface by using User Interface (UI) or input controls available in android.

TextView, EditText, Button, SeekBar

Example: Develop an android application that sets various color code.

Lab Session 08:

Develop an android application to implement user interface by using different types of User Interface (UI) Layouts available in android.

Linear Layout, Relative Layout,

Example: Develop an android application that converts text to speech.

Lab Session 09:

Develop an android application to implement user interface by using Android Menus
Options Menu.....

Lab Session 10:

Develop an android application to implement user interface by using User Interface (UI) or input controls available in android.

DatePicker, TimePicker

Example: Develop an android application that prompts user to select date of birth.

Lab Session 11:

Develop an android application to implement multimedia components

a)Camera

b)Audio Player, Video Player

Lab Session 12:

Develop an android application using SQLite to perform CRUD Operations.....

ACADEMIC YEAR 2021-2022

17CS3652B MOBILE APPLICATION DEVELOPMENT LABORATORY

CONTINUOUS EVALUATION REPORT

Sl No	Date	Experiment Name	Pre-Lab (5M)	In-Lab				Post Lab (5M)	Viva Voce (3M)	Total (30M)	Faculty Signature
				LOGIC (2M)	EXECUTION (5M)	RESULT (5M)	ANALYSIS (5M)				
1											
2											
3											
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12											
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(For Evaluator's use only)

<u>Comments of the Evaluator (if Any)</u>	<u>Evaluator's Observation</u> Marks Secured:_____ out of _____ Full Name of the Evaluator: Signature of the Evaluator Date of Evaluation:	 Signature of the Head of the Department

