

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:

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

Lab Session 04:

Develop an android application to implement 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) Frame Layout, Table Layout, Constraint Layout
- b) TextView, EditText, RadioButton, Button, 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 (UI) or input controls available in android.

- a) Toggle Button, Spinner
- b) RatingBar,

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.

- a)TextView, EditText, Button, Toggle Button, CheckBox, Radiobutton, Spinner
- b) DatePicker, TimePicker, SeekBar, RatingBar,

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

- a)Options Menu,
- b)Context Menu, Popup Menu.....

Lab Session 10:

Develop an android application to implement Android Notifications

- a)Android Notifications (BigTextStyle, BigPictureStyle, InboxStyle)
- b)Android Custom Toast

Example: Develop an android application that send an SMS

Lab Session 11:

Develop an android application to implement Android Notifications

- a)Android Progress Notification
- b)Android Push Notification.....

Lab Session 12:

Develop an android application to implement multimedia components

- a)Camera
- b)Audio Player, Video Player

Lab Session 13:

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

ACADEMIC YEAR 2020-2021

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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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6											
7											
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10											
11											

12

(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

