

20MCA243 MOBILE APPLICATION DEVELOPMENT LAB

Lab Report Submitted By

ANNAPOORNESWARI D

Reg. No.: AJC20MCA-2020

In Partial fulfillment for the Award of the Degree Of

**MASTER OF COMPUTER APPLICATIONS (2 Year)
(MCA)**

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY



**AMAL JYOTHI COLLEGE OF ENGINEERING
KANJIRAPPALLY**

[Affiliated to APJ Abdul Kalam Technological University, Kerala. Approved by AICTE, Accredited by NAAC with 'A' grade. Koovapally, Kanjirappally, Kottayam, Kerala – 686518]

2021-2022

**DEPARTMENT OF COMPUTER APPLICATIONS
AMAL JYOTHI COLLEGE OF ENGINEERING
KANJIRAPPALLY**



CERTIFICATE

This is to certify that the lab report, “**20MCA243 MOBILE APPLICATION DEVELOPMENT LAB**” is the bonafide work of **ANNAPOORNESWARI D (Reg.No:AJC20MCA-2020)** in partial fulfillment of the requirements for the award of the Degree of Master of Computer Applications under APJ Abdul Kalam Technological University during the year 2021-22.

Ms. Navyamol K T
Staff In-Charge

CONTENT

S.No	Content	Date	Page No:
1	Program to develop the android mobile application which consist of GUI components for Login Page creation.	20/01/2022	1-3
2	Program to display the content of EditText in TextView on button click.	20/01/2022	4-6
3	Program to design a Login Form with username and password using LinearLayout and toast valid credentials	27/01/2022	7-11
4	Program to implementing basic arithmetic operations of a simple calculator	27/01/2022	12-21
5	Program to complement validations on various UI controls	27/01/2022	22-26
6	Program to design a registration activity and store registration details in local memory of phone using Intents and SharedPreferences	27/01/2022	27-34
7	Program to design a simple Calculator using GridLayout and Cascaded LinearLayout	27/01/2022	35-40
8	Program to create a Facebook page using RelativeLayout; set properties using .xml file	27/01/2022	41-45
9	Program to develop an application that toggles image using FrameLayout	27/01/2022	46-48
10	Program to implement Adapters and perform exception handling	04/02/2022	49-50
11	Program to implement Intent to navigate between multiple activities (Explicit Intent)	04/02/2022	51-55
12	Program to develop an application that works with Implicit intents	04/02/2022	56-65
13	Program to implement Options Menu to navigate to activities	10/02/2022	66-68
14	Program to develop an application that uses ArrayAdapter with ListView	10/02/2022	69-71
15	Program to develop an application that use GridView with images and display Alert box on selection	11/02/2022	72-76
16	Program to develop an application that implements Spinner component and perform event handling	11/02/2022	77-79
17	Program to apply themes via code from manifest file	11/02/2022	80-83
18	Program to develop application using Fragments	11/02/2022	84-90
19	Program to implement Navigation drawer	11/02/2022	91-94

20	Program to implement activity life cycle	03/03/2022	95-97
21	Program to implement various SQLite operations : (INSERT, UPDATE ,DELETE ,SELECT)	24/02/2022	98-104