Mobile Application Development Lab

Course Code	19CS3751	**Year**	IV	**Semester**	I
Course Category	**Program Core Lab**	**Branch**	CSE	**Course Type**	Practical
Credits	1	**L-T-P**	0-0-2	**Prerequisites**	Java, DBMS, Advanced Java and Web Technologies
Continuous Internal Evaluation :	25	**Semester End Evaluation:**	50	**Total Marks:**	75

Course Outcomes		
Upon successful completion of the course, the student will be able to		
CO1	Apply the basic of android to develop android applications	**L3**
CO2	Develop various applications as an individual or team	
CO3	Develop an effective report based on various programs implemented	
CO4	Apply technical knowledge for a given problem and express with an effective oral communication	**L3**
CO5	Analyze outputs generated using android application	**L4**

Contribution of Course Outcomes towards achievement of Program Outcomes & Strength of correlations (3:Substantial, 2: Moderate, 1:Slight)														
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**
CO1	3											2		
CO2					3				3					
CO3										3				
CO4	3									3				
CO5		3												

Course Content		
Expt. No.1	Build mobile application based on the concept activity life cycle with Custom Toast.	CO1, CO2, CO3, CO4, CO5
Expt. No.2	Build mobile application using different layouts(use any 3 layouts)	CO1, CO2, CO3, CO4, CO5
Expt. No.3	Build mobile application using different dialogs(use any 2 dialogs)	CO1, CO2, CO3, CO4, CO5
Expt. No.4	Build mobile application using Menus and Action bar	CO1, CO2, CO3, CO4, CO5
Expt. No.5	Build mobile application to switch from one activity to another using Intent.	CO1, CO2, CO3, CO4, CO5
Expt. No.6	Build mobile application to demonstrate Dynamic Fragments	CO1, CO2, CO3, CO4, CO5
Expt. No.7	Build mobile application for CMS (Content Management System)with CURD operations	CO1, CO2, CO3, CO4, CO5
Expt. No.8	Build mobile application for Online Enquiry System with CURD operations	CO1, CO2, CO3, CO4, CO5
Expt. No.9	Build mobile application (case study) based on the choice of student/faculty	CO1, CO2, CO3, CO4, CO5

Learning Resources

Reference Books

1. Professional Android, Reto Meier, Ian Lake, Fourth Edition, 2018, Wrox
2. Head First Android Development: A Brain-Friendly Guide, Dawn Griffiths, David Griffiths, 2015, O′Reilly

***Note: The above experiments are listed in generic format. Course Coordinators are advised to implement the above generic experiments using emerging technologies like: Flutter / Android Studio / .net core 5 …**