Mobile App Development

Course Code	20SA8651	Year	III	Semester	II
Course Category	SOC	Branch	CSE	Course Type	Practical
Credits	2	L-T-P	1-0-2	Prerequisites	Programming with Java, DBMS, Advanced Java and Web Technologies
Continuous Internal Evaluation :	--	Semester End Evaluation:	50	Total Marks:	50

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	L3
CO3	Develop an effective report based on various programs implemented	L3
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 correl tions (3:Substantial, 2: Moderate, 1:Slight)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1													3	
CO2					2				2					
CO3										3				
CO4										3				
CO5		2												

Expt. No.	Course Content	Mapped CO
1	Build mobile application based on the concept activity life cycle with Custom Toast.	CO1, CO2, CO3, CO4, CO5
2	Build mobile application using different layouts (use any 3 layouts)	CO1, CO2, CO3, CO4, CO5
3	Build mobile application using different dialogs (use any 2 dialogs)	CO1, CO2, CO3, CO4, CO5
4	Build mobile application using Recycler View	CO1, CO2, CO3, CO4, CO5
5	Build mobile application to switch from one activity to another using Intent.	CO1, CO2, CO3, CO4, CO5
6	Build mobile application to demonstrate Dynamic Fragments	CO1, CO2, CO3, CO4, CO5
7	Build mobile application serverless database SQLite Database, Firebase (cloud-hosted database)	CO1, CO2, CO3, CO4, CO5
8	Build mobile application based on the **Google Maps**	CO1, CO2, CO3, CO4, CO5

Learning Resources

Reference Books	1. Professional Android, Reto Meier, Ian Lake, 4th 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 …