

**Lesson Plan**

Name of Faculty : Sonam, Assistant Professor of CSE Department  
Discipline : Computer Science and Engineering Semester  
Sem : 7<sup>th</sup> (Odd)  
Subject : Mobile Application Development Lab (CSE 406 P)  
Lesson Plan Duration : 15 weeks (from August-December-2023)  
Work Load (Lecture/Practical) per week (in hours): Lectures-(02 hours of G-1<sup>st</sup>)

Week	Theory/Practical (Group-3 <sup>rd</sup> /4 <sup>th</sup> )	
	Practical Day	Topics/Programs
1 <sup>st</sup>	1	Create "Hello word" application to display "Hello word" in the middle of screen in red color with white background
2 <sup>nd</sup>	2	Create simple application with login module (Check username & password) validate it for login screen or alert the user with a Toast.
3 <sup>rd</sup>	3	Create & validate a login application using username as Email Id else login button must remain disabled.
4 <sup>th</sup>	4	Create a login application and open a browser with any one search engine
5 <sup>th</sup>	5	Create an application to change screen color as per the user choice from the menu.
6 <sup>th</sup>	6	Create a Background application that will open activity on specific time.
7 <sup>th</sup>		
8 <sup>th</sup>	7	Create spinner with strings from the resource folder. On changing spinner value, change image.
9 <sup>th</sup>	8	Create an UI using the engineering branches, if user select a branch name, display the number of semesters and subject in each semester.
10 <sup>th</sup>	9	Create an application that will create database to store username & password.
11 <sup>th</sup>	10	Create an application to insert, update, delete Record from database.
12 <sup>th</sup>	11	Create an application to call a phone number entered by the user in the Edit Text box.
13 <sup>th</sup>	12	Use content provider and permission by implementing read phonebook contacts with content provider & display in list
14 <sup>th</sup>		
15 <sup>th</sup>	13	Viva Voice