

Govt. Polytechnic For Women Sirsa

Lesson Plan

Name of Faculty **Deepika**

Discipline **Computer Engg.**

Department **Computer Engg.**

Semester **6th sem**

Subject **Mobile Application Development**

Lesson Plan Duration (From 15 feb 2024 to June 2024)

Work Load(Lecture/Practical) per week (in hours):

Theory: 3 Practical:6

		Theory	Practical	
Week	Lecture Day	Topic(Including Assignment/Test)	Practical Day	Topic
1	1	Introduction : Evolution of Mobile Computing, Important terminologies, Mobile computing functions, Mobile computing security issues,	1	Write a program to demonstrate activity (Application Life Cycle)
	2	Mobile computing Devices, Networks: Wired , Wireless , Adhoc, Comparison of wired and wireless mechanism	2	Revision and file checking
	3	Various types of wireless communication technologies used in Mobiles, Antennas		
2	1	Basics of Base Station and Medium access control and Mobile station.1.3 Mobile computing through Telephony: Evolution through telephony	1	Write a program to demonstrate different types of layouts
	2	Architecture : Architecture of Mobile Computing, 3- Tier Architecture, Presentation(Tier-1), Application(Tier-2), Data (Tier – 3)	2	Write a program to implement simple calculator using text view, edit view, option button and button
	3	Wireless LAN: Introduction - Applications of WLAN, Infrared versus Radio Transmission,		
3	1	Features of WI-FI and WI-MAX, Bluetooth : Introduction and application	1	Revision and FileChecking
	2	Revision	2	Write a program to demonstrate list view.
	3	Revision		
4	1	ANDROID : Android Versions, Features of Android, Architecture of Android,	1	Write a program to demonstrate photo gallery
	2	Android Market, Android RunTime(Dalvik Virtual Machine)	2	Demonstrate Date picker and time picker
	3	revision		
5	1	Sessional 1st	1	Develop an simple application with context menu and option menu
	2	ANDROID SDK & ADT : Android SDK, Android Development Tool (ADT)		
	3	Installing and configuring Android, Android Virtual Device (AVD)	2	Develop an application to send SMS
6	1	ACTIVITIES & INTENTS : Understanding Activites, Linking activities and indents		
	2	Calling built-in applications using intents, Fragments Displaying Notifications	1	Write a program to view, edit contact
	3	User Interface : Views and Viewgroups, Layouts, Display Orientation	2	Write a program to send e-mail

7	1	Action Bar, Listening for UI Notifications		
	2	Basic Views : TextView, Button, Image Button, EditText, CheckBox, ToggleButton, RadioButton and RadioGroup Views, ProgressBar View, Auto Complete Text View	1	Write a program to demonstrate a service
	3	Advanced Views : Time Picker View and Date Picker View,	2	Revision and FileChecking
8	1	List Views, Image View	1	
	2	Menus, Analog and Digital View, Dialog Boxes	2	
	3	Displaying Pictures & Menus with Views: Image View, Gallery View, ImageSwitcher		
9	1	GridView- Creating the Helper Methods, Options Menu, Context Menu	1	Revision and FileChecking
	2	SMS, Phone: Sending SMS, Receiving SMS, Making phone call	2	Revision and File Checking
	3	Revision		
10	1	Sessional 2nd	1	Write a program to demonstrate web view to display web site
	2	Location Based Services : Obtaining the Maps API Key- Displaying the Map	2	Revision and File Checking
	2	Location based services: Zoom Control		
	3	Navigating to a specific location, Adding Marker		
11	1	Geo Coding	1	Revision and File Checking
	2	reverse Geo coding	2	Revision and File Checking
	3	Location Based Service and SQLite		
12	1	Content Provider : Sharing data, view contacts	1	Write a program to display map of given location/position using
	2	Add contacts	2	Revision and File Checking
	3	Modify contacts, Delete Contacts		
13	1	Storage : Store and Retire data's in Internal and External Storage	1	Write a program to display map of given location/position using map view
	2	SQLite, Creating and using databases	2	Revision and File Checking
	3	Android Service : Consuming Web service using HTTP		
14	1	downloading binary Data, Downloading Text Content	1	
	2	Accessing Web Service	2	
	3	Revision		
15	1	Sessional 3rd	1	
	2	Revision	2	
	3	Revision		