

Lesson Planning

Name of Faculty :Karishma/Jyoti
 Dicipline : CE
 Subject : Mobile Computing
 Lesson Plan dura :16 weeks(Jan'2020-July'2020)
 Work load (Lecture/Practical) per week (in hours):Lectures-03,Practicals-02

Week	Theory		Practical	
	Lecture day	Topic(Including assignment/test)	Practical Day	Topic
1	1	Introduction to Mobile Computing , WiFi , Bluetooth	1	Write a program to demonstrate activity (Application Life Cycle)
	2	Introduction : Evolution of Mobile Computing, Important terminologies		
	3	Mobile computing functions		
2	4	Mobile computing security issues, Mobile computing Devices	2	Write a program to demonstrate different types of layouts Write a program to implement simple calculator using text view, edit view, option
	5	Networks: Wired , Wireless , Adhoc, Comparison of wired and wireless mechanism		
	6	Networks: Wired , Wireless , Adhoc, Comparison of wired and wireless mechanism		
3	7	Various types of wireless communication technologies used in Mobiles	3	Write a program to demonstrate list view Write a program to demonstrate photo gallery
	8	Various types of wireless communication technologies used in Mobiles		
4	10	Introduction to ANDROID	4	picker Develop an simple application with context menu and option menu
	11	ANDROID : Android Versions, Features of Android, Architecture of Android,		
	12	ANDROID : Android Versions, Features of Android, Architecture of Android,		
5	13	Architecture of Android, Android Market, Android Runtime (Dalvik Virtual Machine)	5	Develop an application to send SMS Write a program to view, edit contact Write a program to send e-mail
	14	ANDROID SDK & ADT : Android SDK, Android Development Tool (ADT),		
	15	Installing and configuring Android, Android Virtual Device (AVD)		
6	16	ACTIVITIES & INTENTS : Understanding Activites, Linking activities and indents,	6	Write a program to demonstrate a service Write a program to demonstrate web view to display web site
	17	Calling built-in applications using intents, Fragments Displaying Notifications		
	18	User Interface : Views and Viewgroups, Layouts,		
	19	Display Orientation , Action Bar, Listening for UI Notifications		
7	20	Basic Views : TextView, Button, Image Button, EditText, CheckBox, ToggleButton, RadioButton and RadioGroup Views	7	Write a program to demonstrate the application of intent class
	21	Text View ,CheckBox, ToggleButton, RadioButton and RadioGroup Views		
	22	ProgressBar View, Auto Complete		
8	23	ProgressBar View, Auto Complete	8	Write a program to create a text file in a external memory
	24	Revision		
9	25	ASSIGNMENT	9	Write a program to store and fetch data from SQL life database.
	26	Advanced Views : Time Picker View and Date Picker View, List Views, Image		
	27	View, Menus, Analog and Digital View, Dialog Boxes		
10	28	Displaying Pictures & Menus with Views: Image View, Gallery View, ImageSwitcher,	10	Practice
	29	Image View, Gallery View, ImageSwitcher,		
	30	Image View, Gallery View, ImageSwitcher,		
	31	GridView - Creating the Helper Methods, Options Menu, Context Menu		
11	32	GridView - Creating the Helper Methods, Options Menu, Context Menu	11	Practice
	33	SMS, Phone: Sending SMS, Receiving SMS, Making phone call		
	34	SMS, Phone: Sending SMS, Receiving SMS, Making phone call		
12	35	Revision	12	Practice
	36	ASSIGNMENT		
	37	Location Based Service and SQLite		
13	38	Location Based Services : Obtaining the Maps API Key- Displaying the Map, Zoom Control ,	13	Practice
	39	Navigating to a specific location, Adding Marker , Geo Coding and reverse Geo coding		
	40	Location Based Services : Obtaining the Maps API Key, Displaying the Map, Zoom Control,		
14	41	Navigating to a specific location, Adding Marker, Geo Coding and reverse Geo coding	14	Practice
	42	Content Provider : Sharing data, view contacts, Add contacts, Modify contacts, Delete Contacts		
	43	Storage : Store and Retire data's in Internal and External Storage, SQLite, Creating and using databases		
15	44	SQLite, Creating and using databases	15	Practice
	45	Android Service : Consuming Web service using HTTP , downloading binary Data, Downloading		
	46	Text Content, Accessing Web Service		
16	47	Revision		