

## LESSON PLAN

Name of faculty : Madhu Madhan

Discipline : Computer Engineering

Subject : MAD(6<sup>th</sup> sem)

Lesson plan duration : 16 weeks

Work load(lecture/practical) per week : Lectures-03,practicals-12

week	Theory		Practical	
	Lecture Day	Topic(including assignment/test)	Practical day	Topic
1 <sup>st</sup>	1 <sup>st</sup>	Introduction to Mobile computing	1 <sup>st</sup>	Write a program to Demonstrate activity.
	2 <sup>nd</sup>	Mobile computing functions,security issue		
	3 <sup>rd</sup>	Mobile computing devices	2 <sup>nd</sup>	Write a program to Demonstrate different types of layouts
2 <sup>nd</sup>	4 <sup>th</sup>	Networks:wired,wireless,adhoc	3 <sup>rd</sup>	Write a program to implement simple calculator using text view and button.
	5 <sup>th</sup>	Comparison of wired and wireless mechanism		
	6 <sup>th</sup>	Various types of wireless communication technologies used in mobilr,antennas	4 <sup>th</sup>	Write a program to Demonstrate list view.
3 <sup>rd</sup>	7 <sup>th</sup>	Basics of base station and medium access control and mobile station	5 <sup>th</sup>	Write a program to Demonstrate photo gallery.
	8 <sup>th</sup>	Architecture of mobile computing. 3-tier		
	9 <sup>th</sup>	Architecture of mobile computing. 2-tier,1-tier	6 <sup>th</sup>	Write a program to Demonstrate Data picker
4 <sup>th</sup>	10 <sup>th</sup>	Mobile computing through telephony	7 <sup>th</sup>	Write a program to Demonstrate time picker.
	11 <sup>th</sup>	Wireless LAN:Application of WLAN,infrared verus Radio Transmission		
	12 <sup>th</sup>	Assignment topic(Architecture of mobile computing)	8 <sup>th</sup>	Develop an simple application with context menu
5 <sup>TH</sup>	13th	Bluetooth: introduction and application	9 <sup>th</sup>	Develop an simple application with option menu.
	14 <sup>TH</sup>	Introduction to ANDROID		
	15 <sup>TH</sup>	ANDROID Versions,Features of Andriod	10 <sup>th</sup>	Develop an application to send SMS.
6 <sup>TH</sup>	16 <sup>TH</sup>	Architecture of Android	11 <sup>th</sup>	Write a program to viewcontact.
	17 <sup>TH</sup>	Android SDK AND ADK		
	18 <sup>TH</sup>	Android development	12 <sup>th</sup>	Write a program edit contact.

		tool,AVD		
7 <sup>th</sup>	19 <sup>th</sup>	Activity & intents: understanding Activity, linking activity and indents	13 <sup>th</sup>	Write a program to send e-mail.
	20 <sup>th</sup>	User interface: view and viewgroup layout,display orientation,action bar		
	21 <sup>st</sup>	Basic view: Text view, Button,image button,Edit text, Check box	14 <sup>th</sup>	Write a program to demonstrate a service.
8 <sup>th</sup>	22 <sup>th</sup>	Basic view:toggle button,radio button,radio group views,progress bar view, auto complete text view	15 <sup>th</sup>	Write a program to demonstrate a service.
	23 <sup>rd</sup>	Advance view: Time picker view and date picker view,list view,image view	16 <sup>th</sup>	Write a program to demonstrate web view to display web site
	24 <sup>th</sup>	Advance view: menus, Analog and Digital view, Dialog Boxes		
9 <sup>th</sup>	25 <sup>th</sup>	Displaying Pictures & Menus with view: image view, gallery view	17 <sup>th</sup>	Write a program to display map.
	26 <sup>th</sup>	SMS,Phone: sending SMS, receiving SMS,Making phone call		
	27 <sup>th</sup>	Location Based servies and SQLite	18 <sup>th</sup>	Write a program to display map of given location.
10 <sup>th</sup>	28 <sup>th</sup>	Location based Servies: Obtaining the maps API key, Displaying The map	19 <sup>th</sup>	Write a program to demonstrate the application of intent class.
	29 <sup>th</sup>	Location based Servies: Zoom control		
	30 <sup>th</sup>	Location based Servies: navigating to a specific location, Adding maker	20 <sup>th</sup>	Write a program to create text file in a external memory.
11 <sup>th</sup>	31 <sup>st</sup>	Location based Servies: Geo coding and Reverse Geo coding	21 <sup>th</sup>	Write a program to store data from SQL.
	32 <sup>th</sup>	test		
	33 <sup>rd</sup>	Content Provider: Sharing data, view contacts, add contacts	22 <sup>th</sup>	Write a program to fetch data from SQL.
12 <sup>th</sup>	34 <sup>th</sup>	,modify, delete contacts	23 <sup>th</sup>	Write a program to implement calculator using buttons
	35 <sup>th</sup>	Storage: Store and Retire	24 <sup>th</sup>	Write a program to send e-mail.

		data's in internal and external storage		
	36 <sup>th</sup>	Assignment check		
13 <sup>th</sup>	37 <sup>th</sup>	Android service: Consuming Web service using HTTP,	25 <sup>th</sup>	Write a program to Demonstrate different types of layouts
	38 <sup>th</sup>	DOWNLOADING BINARY DATA, Data downloading text content		
	39 <sup>th</sup>	Location based Services: navigating to a specific location, Adding maker	26 <sup>th</sup>	Write a program to demonstrate web view to display web site
14 <sup>th</sup>	40 <sup>th</sup>	Location based Services: Geo coding and Reverse Geo coding	27 <sup>th</sup>	Write a program to Demonstrate activity.
	41 <sup>th</sup>	Content Provider: Sharing data, view contacts, add contacts ,modify, delete contacts		
	42 <sup>th</sup>	Storage: Store and Retire data's in internal and external storage	28 <sup>th</sup>	Write a program to send e-mail.
15 <sup>th</sup>	43 <sup>th</sup>	Android service: Consuming Web service using HTTP,	29 <sup>th</sup>	Write a program to demonstrate web view.
	44 <sup>th</sup>	Revision, Accessing Web services		
	45 <sup>th</sup>	TEST	30 <sup>th</sup>	Write a program to Demonstrate different types of layouts