

Lesson Plan

Name of Faculty :Er. Arun Kumar

Discipline : B.Tech

Semester :8th

Subject :Mobile Applications Development

Lesson Plan Duration: 13 Weeks (From January, 2018 to April, 2018)

Work Load (Lecture/week (in hours) : Lectures - 04

Week	Theory		Practical	
	Lecture Day	Topic (Including Assignment/Test)	Practical Day	Topic
1 st	1 st	Mobility landscape, Mobile platforms, Mobile apps development,	1 st	Setting up the Mobile App Development environment along with an Emulator.
	2 nd	Overview of Android platform,	2 nd	Setting up the Mobile App Development environment along with an Emulator.
	3 rd	Setting up the Mobile App Development environment along with an Emulator.		
	4 th	App User Interface Designing – Mobile UI resources (Layout, UI elements, Drawable, Menu).		
2 nd	5 th	Activity- States and Life Cycle,	3 rd	Layout of Calculator App
	6 th	Interaction amongst Activities.	4 th	Layout of Calculator App
	7 th	App functionality beyond user interface - Threads,		
	8 th	Async task,		
3 rd	9 th	Services – States and Life Cycle,	5 th	Login App Layout
	10 th	Notifications,	6 th	Login App Coding
	11 th	Broadcast receivers		
	12 th	Content provider		

4 th	13 th	Project Study	7 th	Intent Concept for Inter Activity Message Passing
	14 th	Project Study	8 th	Intent Concept for Inter Activity Message Passing
	15 th	Project Study		
	16 th	Project Study		
5 th	17 th	Location awareness.	9 th	Project study with location awareness
	18 th	Native data handling–file I/O,	10 th	Project study with location awareness
	19 th	Shared preferences		
	20 th	Mobile databases such as SQLite		
6 th	21 st	Revision/Sessional-1	11 th	Viva
	22 nd	Revision/Sessional-1	12 th	Viva
	23 rd	Revision/Sessional-1		
	24 th	Enterprise data access (via Internet/Intranet).		
7 th	25 th	Graphics and animation – Custom views	13 th	Application using canvas
	26 th	Canvas	14 th	Application using canvas
	27 th	Animation APIs		
	28 th	Multimedia – Audio/Video playback and record		
8 th	29 th	Location awareness.	15 th	Project study with location awareness
	30 th	Native data handling–file I/O,	16 th	Application with files
	31 st	Shared preferences		
	32 nd	Mobile databases such as SQLite		
9 th	33 rd	Project	17 th	Application with files
	34 th	Project	18 th	Application with Database
	35 th	Project		
	36 th	Project		

10 th	37 th	Project	19 th	Project
	38 th	Project	20 th	Project
	39 th	Project		
	40 th	Project		
11 th	41 st	Revision/Sessional-2	21 st	Viva
	42 nd	Revision/Sessional-2	22 nd	Viva
	43 rd	Revision/Sessional-2		
	44 th	Project		
12 th	45 th	Debugging mobile apps,	23 rd	Project
	46 th	White box testing	24 th	Project
	47 th	Black box testing		
	48 th	test automation of Mobile apps,		
13 th	49 th	JUnit for Android.	25 th	Project
	50 th	Revision for Part One	26 th	Project
	51 st	Revision for Part Second		
	52 nd	Project		