

KONGU ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)

ERODE - 638 107

DEPARTMENT OF COMPUTER SCIENCE (UG)

VALUE ADDED COURSE – SYLLABUS

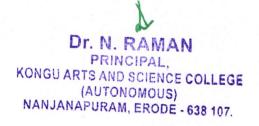
20VCSAA – APP DEVELOPMENT IN ANDROID

PAPER I: JAVA CONCEPTS AND ANDROID TECHNOLOGY

Course Objective: The objective of the programme is to inculcate knowledge in mobile application development on the Android platform and make the students expertise in creating an innovative and robust mobile application.

UNIT I	Introduction - Java	4 Hours
	Concepts of OOPS Simple java program Declaration of variables Giv Decision making- Branching and Looping.	ving Values to
UNIT II	Introduction - Android	4 Hours
	droid? – Android Versions – Features of Android – Architecture of Andro he Market – Downloading and Installing Eclipse.	oid – Android
UNIT III	Installing and Configuring	4 Hours
	K- Installing Configuring Android Development Tools (ADT)- Creatices (AVDs)- Creating Your First Android app.	ating Android
UNIT IV	Exploring the android with examples	4 Hours
	he Android SDK: What is in the Android SDK- Android Documentat PI demos – Hello activity –Lunar Lander- Notepad-Snake- Android	ion –Android
UNIT V	Creating Projects	4 Hours
-	le APIs-Optional APIs- Creating Android Projects in Eclipse – Hello World age- Code based UI - XML based UI.	Creation
	Total Hours	20 Hours





Reference Books

1. E.Balagurusamy, "Programming with Java - A Primer" - 3 rd Edition, TMH.

2. W.Frank Ableson, Robi Sen, Chris King, C.Enrique Ortiz, "Android in Action", Third Edition, Dreamtech Press, 2012.

3. Jerome(J.F) Dimarzio, "Android- A Programmer's Guide", Tata McGraw Hill Education Private Limited, 2011.

COURSE OUTCOME:

Upon successful completion of the Course, the students will be able to:

- Associate the real time problems with the solutions using Android.
- Gain knowledge on Android SDK to create Android Virtual Devices
- Explore various functionalities of Android SDK to create Android Projects
- Create Code based UI and XML based UI



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