

SARDAR PATEL UNIVERSITY
Programme: MSC (Information Technology)
Semester: III
Syllabus with effect from: June 2010

Paper Code: PS03EINT04	Total Credits: 4
Title Of Paper: Mobile Application Development Using Android and Windev	

Unit	Description in detail	Weightage (%)
1	Introduction to Android: Introduction to Android, Standard development environment for Android applications, Installing Android, Creating Hello World and running application on Emulator Android Architectural Overview and Android Development Framework Introduction to Android tools Structure of Android application Components of Android	18 %
2	Introduction to Activities and User Interface Design: Introduction to activity, Activity lifecycle phases, Introducing Toast, Introduction to Views and layouts and Common UI components, Input and Selection components, Adapters Menus and Dialogs Working with Intents Types of Resources	16 %
3	Introduction to Content Provider and Sqlite Database: File systems, Persistent storage in Android, Android databases, Storing and retrieving data, Content provider Classes	16 %
4	Introduction to WinDev: Introduction to WinDev Mobile versions Features of WinDev Mobile Types of mobile application in WinDev Mobile Introduction to WinDev Mobile IDE Using WinDev Mobile for Android application development	18 %
5	Introduction to development Language (WLanguage): Introduction to WLanguage, Declaring and using variables, Data Types, Types of Operators, Conditional statements, Iterative Statements, Introduction to OOP concepts	16 %
6	Introduction to Database in WinDev Mobile: Introduction to database in WinDev Mobile, Inserting a record in to database, Deleting a record in to database, Updating a record in to database, Design Sample Application	16 %

Basic Text & Reference Books:

- Beginning Android Application Development By Wei-Meng Lee, Wiley Publishing, Inc, Wrox Programmer to Programmer
- Online WinDev Documentation, <http://www.windev.com/pcsoft/documentations.html>

