SARDAR PATEL UNIVERSITY
Programme & Subject: M.Sc (CA & IT) Semester: II
Syllabus with Effect from: June-2019

Paper Code: PS02CIIT34	Total Credit: 4
Title Of Paper: Application Development using Android Platform - I	

Unit	Description in Detail	Weightage (%)
I	**Introduction to Android:** Introduction to Android Android Versions and its Features Architecture of Android Android Devices Standard development environment for Android applications Installing Android, Android Development Tools(ADT) Creating Android Virtual Devices(AVDs) Creating Hello World and running application on Emulator	25%
II	**Activities, Fragments and Intents** Understanding Activities – Life Cycle of an Android Activity Applying Styles and Themes to an Activity Hiding the Activity Title Displaying a Dialog Window, Progress Dialog Linking Activities Using Intents Fragments Adding Fragments Dynamically Lifecycle of a fragment Intersections between fragments Intents Understanding the intent Objects Use of Intent Filters.	25%
III	**Android Mobile Application Control** Using Basic Views TextView , Button, ImageButton, EditText, CheckBox, ToggleButton, RadioButton, RadioGroup , ProgressBar, AutoCompleteTextView Using Picker Views TimePicker, DatePicker Using List Views ListView, Spinner	25%
IV	**Displaying Picture & Menus** Gallary and ImageView ImageSwitcher, GridView Using Menus Options Menu, Context Menu, SubMenu Additional Views AnalogClock and DigitalClock. WebView	25%

Basic Text & Reference Books:-

- Wei-Meng Lee, "Beginning Android Application Development", Wiley Publishing, Inc, Wrox Programmer to Programmer,2013.
- Lauren Darcey, Shane Conder, "Android Wireless Application Development", 2nd Edition,2010.
- Ian F. Darwin, "Android Cookbook", O'Reilly,2012.