

**SARDAR PATEL UNIVERSITY**  
**Programme & Subject: M.Sc – Information Technology (Integrated)**  
**Semester: IX**  
**Syllabus with Effect from: June-2016**

<b>Paper Code: PS09CIIT04</b>	<b>Total Credit: 4</b>
<b>Title Of Paper: Application Development using Android Platform - II</b>	

Unit	Description in Detail	Weightage (%)
I	<b>Fragments, Drawing and Animation</b> <b>Fragments</b> Adding Fragments Dynamically Lifecycle of a fragment Intersections between fragments <b>Drawing and Working with Animation</b> Working with Canvases and Paints Working with Text Working with Shapes Working with Animation	25%
II	<b>Access to Network, Camera and Sensors</b> Network Access Accessing the Network Performing Operations Asynchronously Using WebView Exchanging Data with a Web Server Accessing the Camera Accessing Motion Data	25%
III	<b>Using Android Data and Storage APIs</b> Working with Application Preferences Introduction to the SQLite Database Creating and Managing the SQLite Database Binding Data to the Application User Interface Content Providers and Database Access Using Different Types of Content Providers Using the Database in Applications	25%
IV	<b>Using Common APIs</b> Introduction to File System Access and File Handling Working with Files and Directories Location Based Services Accessing the Phone Calls API Sending and Receiving SMS	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

