**SRI RAMAKRISHNA MISSION VIDYALAYA**

**COLLEGE OF ARTS & SCIENCE- COIMBATORE - 641 020**

For candidates admitted from academic year 2013 – 2014 onwards under New CBCS

**MOBILE APPLICATIONS DEVELOPMENT**

**Year : I Semester : II**

**Hours / Week : 4 Subject Code : 2TH4**

 **Credits : 4**

**UNIT I**

WAP: Overview –Architecture- Protocols – Gateway.

WML: Test Formatting – Navigation – Advanced display features.

WML Script: Variables – Statements – Simple Applications.

**UNIT II**

Android: Development Environment- Application Components. UI Design: Buttons, Menus, and Dialogs. Screen layout design – Sliding Drawers – using padding and margins.

**UNIT III**

INTENT: Using intent with activities – Using Intent with services – Using intent with broad cast receivers.

**UNIT IV**

Content Providers: Overview – Definition – Working with a database.

Communications: Sending and receiving SMS – Bluetooth, Phone

Media and device hardware: mapping Locations – Capturing images and video- Recording Audio – Customizing camera overlay.

**UNIT V**

**Adding Interactivity:**

Handling Events: Click,on touch, on long click, - Keyboard Event Listeners- Content menus in Android – Controlling the focus in android

**TEXT BOOK:**

1. Wallace Jackson, Android Applications for Absolutes Beginners, Apress, 2011.

2. Charles Arehartetal, Professional WAP, Sharoff Publishers and Distributers, 2004.

**REFERENCE BOOK:**

1. MartynMallick, Mobile and Wireless Design Essentials, Wiley- India, 2008..

2. Asoke.K. Talukder, Hasan Ahmed, Roopa. R.yavagal, Mobile Computing Technology, Applications and service creation, TATA McGrew Hill Education Pvt Limited, New Delhi, 2010

3.James Keogh, The Complete Reference J2ME, TATA McGrew Hill Education Pvt Limited, New Delhi, 2008.