MARIS STELLA COLLEGE (AUTONOMOUS), VIJAYAWADA -8
(Affiliated to Krishna University, Machilipatnam)
SYLLABUS

Subject: Computer Science   **Semester: VI**

Course Title: Practical - VII

Course Code: COMPC086

No of Hours: 30   **Credits: 2**

Objectives

- To gain the knowledge in the fundamentals of Android programming using the Android SDK.
- To design and develop useful Android applications with compelling user interfaces.

Course Outcomes

CO1: Demonstrate their understanding of the fundamentals of Android operating systems

CO2: Demonstrate their skills of using Android software development tools ·

CO3: Demonstrate their ability to develop software with reasonable complexity on mobile platform

List of practicals:

1. Create "Hello World" application. That will display "Hello World" in the middle of the screen in the emulator. Also display "Hello World" in the middle of the screen in the Android Phone.
2. Create an application with login module. (Check username and password).
3. Create spinner with strings taken from resource folder (res >> value folder) and on changing the spinner value, Image will change.
4. Create a menu with 5 options and elected option should appear in text box.
5. Create a list of all courses in your college and on selecting a particular course teacher-in-charge of that course should appear at the bottom of the screen.

6. Create an application with three option buttons, on selecting a button colour of the screen will change.
7. Create and Login application as above. On successful login, pop up the message.
8. Create an application to Create, Insert, update, Delete and retrieve operation on the database.

Reference Books:

1. Robert W.Sebesta, "programming the world wide web" 3rd edition, Pearson Education (2007)
2. Ander Moller and Michel Schwartz Bach, "An introduction to XML and web technologies" Addision Wesley (2006)
3. Chris Bates,"Web programming- building internet Application". Second Edition, Wiley(2007)
4. Jeffrey C. Jackson, "web technologies – A Computer science perspective". Pearson Education (2008).