**MOBILE APPLICATION DEVELOPMENT LAB**

**List of exercises:**

**Exercise 1 :**

* **To develop a Simple Android Application that uses GUI components, Font and Colors.**
* **Develop an andriod app which uses layout managers and event listeners.**
* **Create a basic Hello World! App in Android studio and understand the concepts of Android Activity and life cycle.**

**Exercise 2 :**

* **Design a simple login and signup form with J2ME & Android Studio.**
* Create the captcha in the login page for verification. If the user enters wrong captcha, toast message should be produced. If the user refreshes the captcha it should be changed to some other combinations.
* Design signup page for new user registration with login credentials. Password setup criterai and password sterngh checkup report facility.
* **Design a simple Native calculator**

**Exercise 3 :**

* **Design a browser based HTML5 app which is mobile responsive.**

Example: - about yourself page, news bulletin, event scrollers

* **Design a simple app which uses the concept of services in Android**

**Examples:**

* Music playing in background as a service
* Displaying a Toast.
* **Design a simple app which uses broadcast receivers.**

**Examples:**

* Use intents to open another app from the current app. (**TODO**)
* Check Battery Status using broadcast receivers.
* Create a custom intent of your own use.