**List of Experiments**

**Subject: Wireless Communication & Mobile Computing (IT349)**

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| **Exp. No** | **Name of Experiment** | **Hours** |
|  | Introduction to Android and Create “Custom Message” application. That will display “Custom Message” in the middle of the screen in the Black color with the Yellow background. | 02 |
|  | Create an android application to calculate sum of two numbers and gives result in Toast Message. | 02 |
|  | Create an application that will display Toast (Message) on specific interval of time. | 02 |
|  | Create a temperature converter Application. (Fahrenheit-Celsius) | 02 |
|  | Create a login application with following features:  1. Successful Login message in TextView with Green background if Username & password is correct  2. Failure message in TextView with Red background if Username or password is incorrect.  3. Disable Login Button after three wrong login attempts.  4. Close application if user selects Cancel Button. | 04 |
|  | Create an application which turns ON or OFF Torch/Flashlight of Camera. | 02 |
|  | Create an application that will change color of the screen, based on selected options from the menu. | 02 |
|  | Create an application with the help of fragment. | 04 |
|  | Create an application with the help of web view. | 04 |
|  | Create an application with the help of database. | 04 |
|  | Creating an application that provides Single Sign-on (SSO) with Chrome Custom Tabs via the AppAuth library, and optionally push managed configuration to provide a user login hint.  <https://codelabs.developers.google.com/codelabs/appauth-android-codelab/index.html?index=..%2F..index#0> | 04 |
|  | Create an application to handle support voice interaction.  https://codelabs.developers.google.com/codelabs/voice-interaction/index.html?index=..%2F..index#13 | 04 |
|  | Create an application to play video using YouTube API in PIP mode. | 04 |
|  | Create an application that uses end-to-end process of training a machine learning model that can recognize handwritten digit images with TensorFlow and deploy it to an Android app.  <https://codelabs.developers.google.com/codelabs/digit-classifier-tflite/index.html?index=..%2F..index#0> | 04 |
|  | Introduction to I-phone & installation of x-code on MAC. | 02 |
|  | Develop Login Application using XCode. | 02 |
|  | Develop a project in Android. | 12 |

Reference: https://github.com/pnp4help/WCMC